

CODE	TITLE	DESCRIPTION
VTJCC01	A Fast Nearest Neighbor Search Scheme over Outsourced Encrypted Medical Images	Cloud Computing, Efficiency, Medical Images, Nearest Neighbor Search, Privacy
VTJCC02	A New Service Mechanism for Profit Optimizations of a Cloud Provider and Its Users	Cloud computing, Generalized Nash equilibrium, Non-cooperative game theory, Profit optimization, Resource allocation, Variational inequality theory
VTJCC03	A Verifiable Semantic Searching Scheme by Optimal Matching over Encrypted Data in Public Cloud	Public cloud, results verifiable searching, secure semantic searching, word transportation
VTJCC04	Accountable Proxy Re-Encryption for Secure Data Sharing	Cloud computing, Servers, Encryption, Public key, Transforms
VTJCC05	Achieving secure, universal, and fine-grained query results verification for secure search scheme over encrypted cloud data	Cloud computing, Query results verification, Secure query, Verification object.
VTJCC06	Certificateless public integrity checking of group shared data on cloud storage	Remote data checking, cloud storage, certificateless signature, data shared in group.
VTJCC07	Encrypted Negative Password Identification Exploitation RSA Rule	Data privacy, Databases, Media, Solids, Decoding, Cryptography, Password
VTJCC08	Crypt-DAC: Cryptographically Enforced Dynamic Access Control in the Cloud	Access Control, Cloud, Revocation
VTJCC09	Profit-Maximized Collaborative Computation Offloading and Resource Allocation in Distributed Cloud and Edge Computing Systems	Edge computing, Resource management, Optimization, Cloud computing, Data centers, Simulated annealing

IEEE 2021 - CLOUD COMPUTING

CODE	TITLE	DESCRIPTION
VTJCC10	Dual Access Control for Cloud-Based Data Storage and Sharing	Cloud-based data sharing, access control, cloud storage service, Intel SGX, attribute-based encryption
VTJCC11	Efficient Identity-Based Distributed Decryption Scheme for Electronic Personal Health Record Sharing System	Distributed decryption, identity-based encryption, security, privacy, e-health system
VTJCC12	Inference Attack-Resistant E-Healthcare Cloud System with Fine-Grained Access Control	E-healthcare cloud, electronic healthcare record (EHR), inference attack, fine-grained access control, two-layer encryption
VTJCC13	Multi-Authority Attribute-Based Keyword Search over Encrypted Cloud Data	Searchable encryption, attribute-based encryption, multi-authority, selective-matrix model, selective-attribute model
VTJCC14	PP-CSA: A Privacy-Preserving Cloud Storage Auditing Scheme for Data Sharing	Authorized access, cloud storage, integrity auditing, sensitive information hiding
VTJCC15	Practical Multi-keyword Ranked Search with Access Control over Encrypted Cloud Data	Cloud computing, ranked keyword search, privacy-preserving, access control, secure kNN
VTJCC16	Privacy Preserving Searchable Encryption with Fine-grained Access Control	Searchable Encryption; Cloud Security; Privacy; Attribute Based Encryption; Anonymity
VTJCC17	Provably secure and lightweight identity-based authenticated data sharing protocol for cyber-physical cloud environment	Cloud computing, Privacy protecting cloud, Identity-based Cryptography, Random oracle model, Data sharing protocol, AVISPA
VTJCC18	Publicly Verifiable Shared Dynamic Electronic Health Record Databases with Functional Commitment Supporting Privacy-Preserving Integrity Auditing	Verifiable database, cloud storage, functional commitment, privacy-preserving auditing, user revocation

IEEE 2021 - CLOUD COMPUTING

CODE	TITLE	DESCRIPTION	
VTJCC19	A Privacy-Preserving Image Retrieval Scheme Using Secure Local Binary Pattern in Cloud Computing	Feature extraction, Encryption, Servers, Cloud computing, Image retrieval, Ciphers, Histograms	IEEE 2021 - CLOUD COMPUTING
VTJCC20	SEPDP: Secure and Efficient Privacy Preserving Provable Data Possession in Cloud Storage	Integrity verification, Storage-as-a-Service, Privacy preserving, Dynamic auditing, Batch auditing	
VTJCC21	SeSPHR: A Methodology for Secure Sharing of Personal Health Records in the Cloud	Access control, cloud computing, Personal Health Records, privacy	
VTJCC22	Towards Achieving Keyword Search over Dynamic Encrypted Cloud Data with Symmetric-Key Based Verification	Searchable symmetric encryption, encrypted cloud data, verification, data dynamic, symmetric-key cryptography	
VTJCC23	Policy-based Broadcast Access Authorization for Flexible Data Sharing in Clouds	Cloud computing, Genomics, Bioinformatics, Encryption, Security, Public key, Germanium	
VTJCC24	Verifiable and Fair Attribute-based Proxy Re-encryption Scheme for Data Sharing in Clouds	Servers, Cryptography, Cloud computing, Systems architecture, Neurology	
VTJDM01	Rural E-commerce Investment and Financing Model Based on Blockchain and Data Mining	Information science, Distributed ledger, Computational modeling, Layout, Blockchain, Data models, Encoding	IEEE 2021 - DATA MINING
VTJDM02	Research and Analysis of Student Portrait Based on Campus Big Data	Data analysis, Conferences, Education, Decision making, Big Data, Feature extraction, Data mining	
VTJDM03	Blockchain-based Secure Key Management for Mobile Edge Computing	Blockchain, Security, Mobile handsets, Public key, Wireless communication, Protocols, Mobile computing	

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VTJDM04	Personality-aware Product Recommendation System based on User Interests Mining and Meta-path Discovery	Big-five model, personality computing, product recommendation, e-commerce system, social networks, social computing, user interest mining, user modeling
VTJDM05	In-depth Data Mining Method of Network Shared Resources Based on K-means Clustering	Mechatronics, Clustering algorithms, Feature extraction, Modems, Data models, Time measurement, Data mining
VTJDM06	AFSA: A comprehensive analysis of Educational Big Data using the Advanced Feature Selection Algorithm	Advanced Feature Selection Algorithm (AFSA), Big Data, Classification, Educational Data Mining, Hadoop and MapReduce
VTJDM07	Sentiment Analysis of Tweets from Airlines in the Gulf Region Using Machine	Sentiment analysis, Analytical models, Social networking (online), Blogs, Training data, Machine learning, Feature extraction
VTJDM08	A Survey of Correlated High Utility Pattern Mining	Itemsets, Data mining, Databases, Correlation, Data structures, Weight measurement, Upper bound
VTJDM09	Review of Blockchain Security and Privacy	Industries, Privacy, Technological innovation, Supply chain management, Distributed ledger, Blockchain, Medical services
VTJDM10	Design for Reliability Through Text Mining and Optimal Product Verification and Validation Planning	Classifications of failure modes/causes, correlation between keywords, design failure mode and effect analysis (DFMEA), optimal set, text mining, verification and validation (V&V).
VTJDM11	Use of Classification Technique in Educational Data Mining	Training, Clustering algorithms, Tools, Prediction algorithms, Classification algorithms, Data mining
VTJDM12	Secure Multi-keyword Fuzzy Searches with Enhanced Service Quality in Cloud Computing	Cloud computing, secure query services, fuzzy searchable encryption, multi-semantic query, parallel search

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VTJDM13	Improvising Personalized Travel Recommendation System with Recency Effects	Social networking, Blogs, Data mining, Collaboration, Recommender systems, Media, History	IEEE 2021 - DATA MINING
VTJDM14	A Lightweight Policy Update Scheme for Outsourced Personal Health Records Sharing	Encryption, Cryptography, Servers, Access control, Outsourcing, Cloud computing, Tools	
VTJDM15	An Efficient Data Auditing Protocol with A Novel Sampling Verification Algorithm	Cloud storage, data auditing, dynamic structure, sampling verification, smart contract	
VTJSW01	Systematic Mapping Study on Security Approaches in Secure Software Engineering	Software, Security, Buildings, Software systems, Software measurement, Systematics, Software engineering	IEEE 2021 - SOFTWARE ENGG
VTJSW02	A Method to Assess and Argue for Practical Significance in Software Engineering	Bayes methods, Data models, Software engineering, Statistical analysis, Analytical models, Testing, Decision making	
VTJNS01	An Optimal Approach for E-Commerce Application Service on to the Public Cloud Environment	Industries, Cloud computing, Scalability, Education, Organizations, Reliability, Internet of Things	IEEE 2021 - NETWORK SECURITY
VTJNS02	oGBAC-A Group Based Access Control Framework for Information Sharing in Online Social Networks	Privacy protection, access control, social networks, attribute-based encryption, information flow.	
VTJNS03	Privacy-Preserving Electronic Ticket Scheme with Attribute-Based Credentials	Anonymity, Attribute-based Credentials, Privacy-enhanced Authentication, Electronic Ticket	
VTJNS04	Enhancing Security of Data in Cloud Storage using Decentralized Blockchain	Resistance, Cloud computing, Data security, Blockchain, Encryption, Reliability, Standards	

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VTJNS05	Sensitive Label Privacy Preservation with Anatomization for Data Publishing	Privacy preservation, Anatomization, Sensitive label	IEEE 2021 - NETWORK SECURITY
VTJNS06	Towards QoS-aware Provisioning of Chained Virtual Security Services in Edge Networks	Network topology, Heuristic algorithms, Quality of service, Data models, Security, Resource management, Servers	
VTJNS07	Secure Password-Protected Encryption Key for Deduplicated Cloud Storage Systems	Servers, Maximum likelihood estimation, Cloud computing, Password, Encryption, Security, Protocols	
VTJNW01	Towards Optimal Request Mapping and Response Routing for Content Delivery Networks	Request Mapping, Response Routing, Content Delivery Network, Internet exchange Point, Constrained Optimization	IEEE 2021 - NETWORKING
VTJNW02	Distributed Virtual Network Embedding System with Historical Archives and Set-Based Particle Swarm Optimization	Distributed systems, metaheuristic, particle swarm optimization (PSO), virtual network embedding (VNE).	
VTJNW03	A Load Balancing Algorithm for the Data Centres to Optimize Cloud Computing	Cloud computing, Task analysis, Load management, Resource management, Heuristic algorithms, Processor scheduling, Load modeling	
VTJNW04	Web Application for Community Question Answering	Knowledge discovery, Web sites, Mirrors, Web search, Engines	
VTJNW05	Research on Computer Network Information Security Problems and Prevention Based on Wireless Sensor Network	Wireless sensor networks, Information security, Market research, Computer networks, Stability analysis, Real-time systems, Encryption	
VTJNW06	Network and Application-Aware Cloud Service Selection in Peer-Assisted Environments	Cloud Computing, Conflict Detection, Cost Optimization, Network Cost, Peer-Assisted Cloud, Service Selection	

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VTJNW07	Virtual Network Recognition and Optimization in SDN-Enabled Cloud Environment	Software Defined Networking, Network Virtualization, Cloud Computing, Datacenter Networks	
VTJNW08	Multi-Level Health Knowledge Mining Process in P2P Edge Network	Medical services, Diseases, Servers, Real-time systems, Cloud computing, Knowledge engineering, Edge computing	
VTJNW09	Context-Aware Recommender Systems for Social Networks: Review, Challenges and Opportunities	Social networking, Recommender systems, Security, Context modeling, Filtering, Data models, Network	

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VTJCC01	Authentication and Key Agreement Based on Anonymous Identity for Peer-to-Peer Cloud	Cloud computing, data migration, elliptic curve, authentication, key agreement
VTJCC02	CAFÉ: A Virtualization-Based Approach to Protecting Sensitive Cloud Application Logic Confidentiality	Cloud Computing Marketplace, Secure Execution Environment, Code Confidentiality Protection
VTJCC03	Complying with Data Handling Requirements in Cloud Storage Systems	Cloud computing, data handling, compliance, distributed databases, privacy, public policy issues
VTJCC04	A Secure Enhanced Key-Policy Attribute-Based Temporary Keyword Search Scheme in the Cloud	Cloud computing, fine-grained search control, searchable encryption, temporary keyword search
VTJCC05	A Novel Feature Matching Ranked Search Mechanism Over Encrypted Cloud Data	Encrypted search, feature score, storage cost, matching score, ranking accuracy
VTJCC06	Forecasting Cloud Application Workloads with Cloud Insight for Predictive Resource Management	Cloud Computing, Workload Prediction, Ensemble Prediction Model, Predictive Resource Management, Auto scaling, Performance Evaluation
VTJCC07	Secure Data Transfer and Deletion from Counting Bloom Filter in Cloud Computing	Cloud storage, Data deletion, Data transfer, Counting Bloom filter, Public verifiability
VTJCC08	Fast Secure and Anonymous Key Agreement Against Bad Randomness for Cloud Computing	Cloud computing, secure channel, anonymous authentication, bad randomness resistance, zero round trip time
VTJCC09	Dynamical Propagation Model of Malware for Cloud Computing Security	Cloud computing security, virtual environment, Malware, propagation model, dynamical behavior



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VTJCC10	Algorithm for Multi Keyword Search Over Encrypted Data in Cloud Environment	Cloud Computing; Multi- Keyword Searching; Encryption	IEEE 2020 - CLOUD COMPUTING
VTJCC11	Decentralized Cloud Storage Using Blockchain	Blockchain, Data Security, IPFS, Encryption, Smart Contract, Cloud Storage	
VTJCC12	Cloud Computing Security Challenges and Threats	Cloud computing, security, attacker, technology, detect, network, issue, methods, online, defend, data, access, techniques, world	
VTJCC13	Personality and Value-aware Scheduling of User Requests in Cloud for Profit Maximization	Cloud computing, profit maximization, user request scheduling, user personality, multiserver system, customer satisfaction, present value, opportunity cost	
VTJDM01	Top Mining Based On Online Shopping Users Reviews	Topic mining; user review; topic intensity; LDA model	IEEE 2020 - DATA MINING
VTJDM02	Unsupervised learning based mining of academic data sets for students' performance analysis	Educational data mining, unsupervised learning, principal component analysis, relational association rule	
VTJDM03	Social Media Sentiment Analysis On Twitter Datasets	Sentiment Analysis, Data Mining, NLP	
VTJDM04	Key-Policy Attribute-Based Encryption with Keyword Search in Virtualized Environments	Searchable Encryption, Fine-grained Access Control, Keyword Guessing Attack	
VTJDM05	Revealing the Character of Nodes in a Blockchain With Supervised Learning	Blockchain, supervised learning, machine learning, Bitcoin, crypto currencies, node2vec	

CODE	TITLE	DESCRIPTION	
VTJDM06	Key-Escrow Free Attribute-Based Multi-Keyword Search with Dynamic Policy Update in Cloud Computing	Attribute-based searchable encryption, Cloud security, Data privacy, Key-escrow problem, Policy update	IEEE 2020 - DATA MINING
VTJDM07	Research On Data Mining Method Based On Privacy Protection	Privacy protection; Data mining; Image processing; Natural language processing	
VTJDM08	Multi Objective Association Rule Mining with Soft Computing Approach	Association Rule Mining, Soft Computing, Multi Objective, support, confidence	
VTJDM09	Secret sharing based reversible data hiding in encrypted images with multiple data-hiders	Secret sharing, reversible data hiding, encrypted images, multiple data-hiders	
VTJDM10	An Efficient Recommender System Using Collaborative Correlation Methodology	Recommendation systems, collaborative filtering, correlation, tweepy, machine learning, decision tree	
VTJDM11	Detecting Group shilling attacks in online recommender systems based on bisecting k-means clustering	Bisecting K-means clustering, group shilling attack detection, group shilling attacks, recommender systems.	
VTJNS01	Identification of Malicious injection attacks in Dense Rating and co-visitation behaviors	Attack detection, recommender system, information security, behavior representation	IEEE 2020 - NETWORK SECURITY
VTJNS02	Full-Resilient Memory-Optimum Multi-Party Non-Interactive Key Exchange	Multi-party non-interactive key exchange, broadcast encryption, Internet of Things, random oracle model.	
VTJNS03	HPSD: A Hybrid PU-Learning-Based Spammer Detection Model for Product Reviews	Positive and unlabeled dataset learning (PU-Learning), semi supervised learning, spammer detection, user-product relations.	

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VTJNS04	Intrusion Detection and Prevention using Honeypot Network for Cloud Security	Detection, Honeypot, Cloud Computing, Honeyd, Honeynets, Cloud IDS	IEEE 2020 - NETWORK SECURITY
VTJNS05	Trust-Based Probabilistic Broadcast Scheme for Mobile Ad Hoc Networks	Mobile ad hoc network, routing overhead, probabilistic broadcast, trust evaluation	
VTJNS06	Exploring New Opportunities to Defeat Low-Rate DDoS Attack in Container-Based Cloud Environment	Container, microservice, DDoS attack, mitigation, cloud computing	
VTJNS07	Steganography of Encrypted Messages Inside Valid QR Codes	QR code, steganography, encryption	
VTJNS08	An Adaptive Encryption-as-a-Service Architecture Based on Fog Computing for Real-Time Substation Communications	Encryption-as-a-service, Fog computing, Smart grids, Substation communications	
VTJNS09	Data Aggregation in Wireless Sensor Networks: From the Perspective of Security	Wireless sensor network; Data aggregation; Security	
VTJNS10	An Adaptive Network Data Collection System in SDN	SDN, network data collection, traffic characteristics	
VTJNS11	Identification of Malicious injection attacks in Dense Rating and co-visitation behaviors	Attack detection, recommender system, information security, behavior representation	
VTJNW01	Research on Situation Awareness of Universities' Network Information Security in the Big Data Environment	Big data; universities; network information security; situation awareness	

CODE	TITLE	DESCRIPTION
VTJNW02	Analysis and Protection of Computer Network Security Issues	Computer; network security, protective measures, Security, Computer Network
VTJNW03	NAMP: Network-Aware Multipathing in Software-Defined Data Center Networks	Data center networks, software-defined networks, multipath routing, rule allocation
VTJNW04	Identity-Based Encryption Transformation for Flexible Sharing of Encrypted Data in Public Cloud	Cloud computing; Data sharing; Data privacy; Access control; Cryptographic encryption
VTJNW05	Secure Cloud Storage with Data Dynamics Using Secure Network Coding Techniques	Secure cloud storage, network coding, dynamic data, append-only data, public verifiability
VTJNW06	Integrative Approach Of Big Data And Network Attacks Analysis In Cloud Environment	Big Data Security, Big Data Driven Security, IDS/IPS, Data Analytics.
VTJNW07	DC Auth: Data-Centric Authentication for Secure In-Network Big-Data Retrieval	Big data, security, in-network caching, authentication

IEEE 2020 - NETWORKING