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| Sl.No | 2020 & 2021 Project Title | Year |
|  | **CLOUD COMPUTING** |  |
|  |  |  |
| 1 | **A Verifiable Semantic Searching Scheme by Optimal Matching over Encrypted Data in Public Cloud** | **2020** |
| 2 | **Attribute-Based Cloud Data Integrity Auditing for Secure Outsourced Storage** | **2020** |
| 3 | **Attribute-Based Hybrid Boolean Keyword Search over Outsourced Encrypted Data** | **2020** |
| 4 | **Authentication and Key Agreement Based on Anonymous Identity for Peer-to-Peer Cloud** | **2020** |
| 5 | **Efficient Decentralized Attribute Based Access Control for Mobile Clouds** | **2020** |
| 6 | **Designing Secure and Efficient Biometric-Based Secure Access Mechanism for Cloud Services** | **2020** |
| 7 | **Efficient Regular Language Search for Secure Cloud Storage** | **2020** |
| 8 | **Efficient Traceable Authorization Search System for Secure Cloud Storage** | **2020** |
| 9 | **Privacy-Preserving Outsourced Support Vector Machine Design for Secure Drug Discovery** | **2020** |
| 10 | **Enabling Efficient User Revocation in Identity-based Cloud Storage Auditing for Shared Big Data** | **2020** |
| 11 | **Lightweight Cloud Storage Auditing With De duplication Supporting Strong Privacy Protection** | **2020** |
| 12 | **Multi-user Verifiable Searchable Symmetric Encryption for Cloud Storage** | **2020** |
| 13 | **Optimizing Information Leakage in Multi cloud Storage Services** | **2020** |
| 14 | **Secure Keyword Search and Data Sharing Mechanism for Cloud Computing** | **2020** |
| 15 | **Toward Practical Privacy-Preserving Frequent Itemset Mining on Encrypted Cloud Data** | **2020** |
| 16 | **Privacy-Preserving Data Processing with Flexible Access Control** | **2020** |
| 17 | **TAFC: Time and Attribute Factors Combined Access Control for Time-Sensitive Data in Public Cloud** | **2020** |
| 18 | **You Can Access But You Cannot Leak: Defending Against Illegal Content Redistribution in Encrypted Cloud Media Center** | **2020** |
| 19 | **Privacy Protection and Intrusion Avoidance for Cloudlet-based Medical Data Sharing** | **2020** |
| 20 | **Privacy Aware Data De duplication for Side Channel in Cloud Storage** | **2020** |
| 21 | **Achieving Secure and Efficient Dynamic Searchable Symmetric Encryption over Medical Cloud Data** | **2020** |
| 22 | **A New Lightweight Symmetric Searchable Encryption Scheme for String Identification** | **2020** |
| 23 | **A Key-Policy Attribute-Based Temporary Keyword Search scheme for Secure Cloud Storage** | **2020** |
| 24 | **A Secure Enhanced Key-Policy Attribute-Based Temporary Keyword Search Scheme in the Cloud** | **2020** |
| 25 | **Development and Examination of Fog Computing-Based Encrypted Control System.** | **2020** |
| 26 | **A Novel Feature Matching Ranked Search Mechanism Over Encrypted Cloud Data** | **2020** |
| 27 | **A Secure and Efficient Cloud-Centric Internet of Medical Things-Enabled Smart Healthcare System with Public Verifiability** | **2020** |
| 28 | **Scalable and Secure Big Data IoT System Based on Multifactor Authentication and Lightweight Cryptography** | **2020** |
| 29 | **Key Policy Attribute-Based Encryption with Keyword Search in Virtualized Environments** | **2020** |
| 30 | **Identity-Based Encryption Transformation for Flexible Sharing of Encrypted Data in Public Cloud.** | **2020** |
| 31 | **Secure Data Transfer and Deletion from Counting Bloom Filter in Cloud Computing.** | **2020** |
| 32 | **Key-Escrow Free Attribute-Based Multi-Keyword Search with Dynamic Policy Update in Cloud Computing** | **2020** |
| 33 | **Fast Secure and Anonymous Key Agreement Against Bad Randomness for Cloud Computing** | **2020** |
| 34 | **Achieving Practical Symmetric Searchable Encryption with Search Pattern Privacy over Cloud** | **2020** |
| 35 | **Achieving Secure and Dynamic Range Queries Over Encrypted Cloud Data** | **2020** |
| 36 | **Secure Cloud Storage with Data Dynamics Using Secure Network Coding Techniques** | **2020** |
| 37 | **SecDedup Secure Encrypted Data De duplication with Dynamic Ownership Updating** | **2020** |
| 38 | **LEVER Secure Deduplicated Cloud Storage with Encrypted Two-Party Interactions in Cyber-Physical Systems** | **2020** |
| 39 | **Improving Security and Privacy Attribute Based Data Sharing in Cloud Computing** | **2020** |
| 40 | **A Scalable Attribute-Based Access Control Scheme with Flexible Delegation cum Sharing of Access Privileges for Cloud Storage** | **2020** |
| 41 | **A Secure Privacy Preserving Cloud-based Framework for Sharing Electronic Health Data** | **2020** |
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|  | **SERVICES COMPUTING** |  |
| 42 | **Key Sea Keyword-based Search with Receiver Anonymity in Attribute-based Searchable Encryption** | **2020** |
| 43 | **Location-Aware Service Recommendations With Privacy-Preservation in the Internet of Things** | **2020** |
| 44 | **Personalized Recommendation System based on Collaborative Filtering for IoT Scenarios** | **2020** |
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|  | **INFORMATION FORENSICS AND SECURITY** |  |
| 45 | **Pay as You Decrypt Decryption Outsourcing for Functional Encryption Using Blockchain** | **2020** |
| 46 | **Fake News, Disinformation,and Deepfakes: Leveraging Distributed Ledger Technologies and Blockchain to Combat Digital Deception and Counterfeit Reality** | **2020** |
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|  |  **COMPUTATIONAL SOCIAL SYSTEMS** |  |
| 47 | **Activity Minimization of Misinformation Influence in Online Social Networks** | **2020** |
| 48 | **An Efficient Feedback Control Mechanism for Positive or Negative Information Spread in Online Social Networks** | **2020** |
| 49 | **ArvaNet Deep Recurrent Architecture for PPG-Based Negative Mental-State Monitoring** | **2020** |
| 50 | **Characterizing the Propagation of Situational Information in Social Media During COVID-19 Epidemic A Case Study on Weibo** | **2020** |
| 51 | **Detecting and Characterizing Extremist Reviewer Groups in Online Product Reviews** | **2020** |
| 52 | **Detection of Malicious Social Bots Using Learning Automata With URL Features in Twitter Network** | **2020** |
| 53 | **Location-Aware Service Recommendations With Privacy-Preservation in the Internet of Things** | **2020** |
| 54 | **Movie Recommendation System Using Sentiment Analysis From Micro blogging Data** | **2020** |
| 55 | **On Utilizing Communities Detected From Social Networks in Hashtag Recommendation** | **2020** |
| 56 | **Understanding the User Behavior of Foursquare A Data-Driven Study on a Global Scale** | **2020** |
| 57 | **User Behavior Prediction of Social Hotspots Based on Multi message Interaction and Neural Network** | **2020** |
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|  | **DATA MINING** |  |
| 58 | **Dynamic Connection-based Social Group Recommendation** | **2020** |
| 59 | **Adaptive Diffusion of Sensitive Information In Online Social Networks** | **2020** |
| 60 | **Detecting Group Shilling Attacks in Online Recommender Systems Based on Bisecting K-Means Clustering** | **2020** |
| 61 | **Active Online Learning for Social Media Analysis to Support Crisis****Management** | **2020** |
| 62 | **Location-Aware Service Recommendations With Privacy- Preservation in the Internet of Things** | **2020** |
| 63 | **Cashless Society Managing Privacy and Security in the Technological Age** | **2020** |
| 64 | **DGDFS Dependence Guided Discriminative Feature Selection for Predicting Adverse Drug-Drug Interaction** | **2020** |
| 65 | **Movie Recommendation System Using Sentiment Analysis From Micro blogging Data** | **2020** |
| 66 | **What and With Whom? Identifying Topics in Twitter Through Both Interactions and Text** | **2020** |
| 67 | **Personalized Recommendation System based on Collaborative**  **Filtering for IoT Scenarios** | **2020** |
| 68 | **Efficiently Processing Spatial and Keyword Queries in Indoor Venues** | **2020** |
| 69 | **Evaluating Public Anxiety for Topic-based Communities in Social Networks** | **2020** |
| 70 | **Multi-Party High-Dimensional Data Publishing under Differential Privacy** | **2020** |
| 71 | **TAQE: Tweet Retrieval Based Infrastructure Damage Assessment During Disasters** | **2020** |
| 72 | **A Sentiment Polarity Categorization Technique for Online Product Reviews** | **2020** |
| 73 | **Characterizing the Propagation of Situational Information in Social Media During COVID-19 Epidemic: A Case Study on Weibo** | **2020** |
| 74 | **Land Use Classification with Point of Interests and Structural Patterns** | **2020** |
| 75 | **Feature Level Rating System Using Customer Reviews and Review Votes** | **2020** |
| 76 | **Online Pricing with Reserve Price Constraint for Personal Data Markets** | **2020** |
| 77 | **Predicting Hot Events in the Early Period through Bayesian Model for Social Networks** | **2020** |
| 78 | **Predicting Student Performance in an Educational Game Using a Hidden Markov Model** | **2020** |
| 79 | **Privacy Preserving Location Data Publishing A Machine Learning Approach** | **2020** |
| 80 | **Product Quantized Collaborative Filtering** | **2020** |
| 81 | **Social Boosted Recommendation with Folded Bipartite Network Embedding** | **2020** |
| 82 | **Emotion Correlation Mining Through Deep Learning Models on Natural Language Text** | **2020** |
| 83 | **Emotion Detection in Online Social Networks: A Multi-label Learning Approach** | **2020** |
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|  | **MOBILE COMPUTING** |  |
| 84 | **AdSherlock Efficient and Deployable Click Fraud Detection for Mobile Applications** | **2020** |
| 85 | **PASPORT: A Secure and Private Location Proof Generation and Verification Framework** | **2020** |
| 86 | **KOLLECTOR Detecting Fraudulent Activities on Mobile Devices Using Deep Learning** | **2020** |
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|  | **SECURE COMPUTING** |  |
| 87 | **Detection of Malicious Social Bots Using Learning Automata With URL Features in Twitter Network** | **2020** |
| 88 | **Automatically Dismantling Online Dating Fraud** | **2020** |
| 89 | **DCAP: A Secure and Efficient Decentralized Conditional Anonymous Payment System Based on Block chain** | **2020** |
| 90 | **Detection of Social Network Spam Based on Improved Extreme Learning Machine** | **2020** |
| 91 | **Identification of Malicious Injection Attacks in Dense Rating and Co visitation Behaviors** | **2020** |
| 92 |  **Privacy-Preserving User Profile Matching in Social Networks** | **2020** |
| 93 | **Identification of Malicious Injection Attacks in Dense Rating and Co-visitation Behaviors** | **2020** |
| 94 | **SPCSS: Social Network Based Privacy-Preserving Criminal Suspects Sensing** | **2020** |
| 95 | **Using Improved Conditional Generative Adversarial Networks to Detect Social Bots on Twitter** | **2020** |
| 96 | **Modeling Behavioral Dynamics for Asymmetric Application Layer DDoS Detection** | **2020** |
| 97 | **Privacy-Preserving User Profile Matching in Social Networks** | **2020** |
|  |  |  |
|  | **Machine Learning** |  |
| 98 | **Detecting and Characterizing Extremist Reviewer Groups in Online Product Reviews** | **2020** |
| 99 | **Suicidal Ideation Detection: A Review of Machine Learning Methods and Applications** | **2020** |
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|  | **EMERGING TOPICS IN COMPUTING** |  |
| 100 | **Human-in-the-Loop-Aided Privacy-Preserving Scheme for Smart Healthcare** | **2020** |
| 101 | **Recommending Activities for Mental Health and Well-being Insights from Two User Studies** | **2020** |
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|  | **BIG DATA** |  |
| 102 | **Credit Card Transactions Data Adversarial Augmentation in the Frequency Domain** | **2020** |
| 103 | **Secure Channel Free Certificate-Based Searchable Encryption Withstanding Outside and Inside Keyword Guessing Attacks** | **2020** |
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|  |  **INTERNET OF THINGS (IOT)** |  |
|  |  |  |
| 104 | **A Trustworthy Privacy Preserving Framework for Machine Learning in Industrial IoT Systems** | **2020** |
| 105 | **An Efficient IoT-Based Platform for Remote Real Time Cardiac Activity Monitoring** | **2020** |
| 106 | **An Efficient Privacy Preserving Message Authentication Scheme for Internet-of-Things** | **2020** |
| 107 | **An Efficient Spam Detection Technique for IoT Devices using Machine Learning** | **2020** |
| 108 | **Decentralized Lightweight Group Key Management for Dynamic Access Control in IoT Environments** | **2020** |
| 109 | **Secure IoT Data Outsourcing With Aggregate Statistics and Fine- Grained Access Control** | **2020** |
| 110 | **An efficient framework for privacy-preserving computations on encrypted IoT data** |  |
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|  | **IMAGE PROCESSING AND MULTIMEDIA** |  |
| 111 | **Benchmarking Image Retrieval Diversification Techniques for Social Media** | **2020** |
| 112 | **Online Hashing with Bit Selection for Image Retrieval** | **2020** |
| 113 | **Trust-Based Video Management Framework for Social Multimedia Networks** | **2020** |
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|  | **SOFTWARE ENGINEERING** |  |
| 114 | **Crisis-Critical Intellectual Property Findings From the COVID-19 Pandemic** | **2020** |
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|  | **BLOCK CHAIN** |  |
| 115 | **Block chain based Data Storage with Privacy and Authentication in Internet of Things** | **2020** |
| 116 | **Block chain-Based Secure Computation Offloading in Vehicular Networks** | **2020** |