Kandala Meenakshi

CONTACT INFORMATION	*E-mail:* meenakshi.kandala@gmail.com *LinkedIn:* www.linkedin.com/in/kmeenakshi *GitHub:* https://github.com/meenakshi777
INTERESTS	Blockchain Technology, Back-end Technology, System Design, Information Security, Cryptography and Computer Networking

EDUCATION

International Institute of Information Technology, Naya Raipur, India
Bachelors of Technology, Computer Science and Engineering, 2017−2021, CGPA : **8.87**

Sri Sankara Vidyalaya, Bhilai, Chhattisgarh, India
Intermediate, PCM | CS, 2016, Percentage: **80.20%**

Sri Sankara Vidyalaya, Bhilai, Chhattisgarh, India
Matriculation, 2014, CGPA: **9.4**

TECHNICAL SKILLS

- **Platforms:** Bitcoin, Ethereum, Hyperledger, AWS
- **Frameworks:** Spring Boot, Node.js, React
- **Programming Languages:** Java, JavaScript, Solidity, Python, C, PostgreSQL, CSS, HTML, PHP
- **Networks:** Wireshark, NetSim
- **Hardware Prototyping:** Arduino Uno, Raspberry Pi

EXPERIENCE

CR RAO AIMSCS, Hyderabad, Telangana, India   **Apr 2023 - Present**
- Role | Senior Software Engineer
- System designing for various web applications
- Handles servers, APIs, IoT devices
- Worked on Ethereum, Clef, Geth, IPFS
- R&D - ECC based cryptography.
- Worked on building decentralized applications, and various APIs.
- Field of Work - **Backend, Software Development, Blockchain, Cryptography, System Design, APIs, Hosting**

Knuct Technologies Pvt. Ltd., Hyderabad, Telangana, India   **Oct 2021 - Mar 2023**
- Role | Full Stack Blockchain Engineer
- Handles servers, APIs, blockchain node configuration.
- Worked on building Layer 1 Blockchain, wallet, and explorer.
- Implemented our own consensus Proof-of-Publish(PoP)
- Worked on building decentralized applications, IPFS and various APIs.
- Field of Work - **Software Development, Blockchain, Cryptography, System Design, APIs**

Ensurity Technologies Pvt. Ltd., Hyderabad, Telangana, India   **July - Sept 2021**
- Role | Blockchain Engineer
- Worked on building decentralized applications.
- Field of Work - **Blockchain, Cryptography**

INDUSTRIAL INTERNSHIPS

Ensurity Technologies Pvt. Ltd., Hyderabad, Telangana, India   **Jan - June 2021**
- Role | Blockchain Developer Intern
- Designed and contributed in developing Ransomware Mitigation System
- Worked on "Tokenized Secure Distributed Storage Mechanism for Digital Assets"
- Field of Work - **Blockchain, Security, Cryptography**

Retcons Technology Pvt. Ltd., AIC@36INC, Raipur, Chhattisgarh, India **May - June 2019**
- Role | Blockchain Developer Intern
- Developed a Student Online Assessment System using HTML, CSS, and PHP.
- Hosted the above mentioned system on AWS cloud.
- Worked on Blockchain based Digital Certification System.

ACADEMIC
PROJECTS

Secure Storage as a Service SaaS **Jul - Dec 2020**
Supervisor: Dr. Venkatraman Sarma, Chief Architect, Ensurity Technologies, Hyderabad, India
Co - Supervisor: Dr. Satyanarayana Vollala, Assistant Professor, IIIT Naya Raipur, India
- Designed secure SaaS architecture using IPFS, Blockchain Technology and Hashing concepts.
- Used secret sharing algorithms.
- Built Java application and APIs for splitting and recombination of file.

Token Movement Within IPFS **Jan - April 2020**
Supervisor: Dr. Venkatraman Sarma, Chief Architect, Ensurity Technologies, Hyderabad, India
Co - Supervisor: Dr. Satyanarayana Vollala, Assistant Professor, IIIT Naya Raipur, India
- Designed architecture and studied token movement within IPFS network.
- Worked on generation of tokens using Latin Square concept.
- Used NIST and Diehard Test for ensuring uniqueness of tokens.
- Worked on Bloom filter to store the generated tokens.

Blockchain based Payment System **Jul - Dec 2019**
Supervisor: Dr. Ruhul Amin, Assistant Professor, IIIT Naya Raipur, India
- Used Flask Framework to manage web requests across nodes.
- Used private token and implemented PoW consensus for validation.
- Developed an Web UI using JavaScript, CSS, and HTML.

Blockchain based Crowdfunding System **Jan - April 2019**
Supervisor: Dr. Ruhul Amin, Assistant Professor, IIIT Naya Raipur, India
- Developed a decentralised crowdfunding system using Ethereum platform.
- Deployed smart contract onto Ropsten Testnet using Metamask and Remix IDE.

PUBLICATIONS

- Kandala Meenakshi, Mohammad Rasheed Ahmed, Mohammad S. Obaidat, Ruhul Amin and P Vijayakumar, "**Blockchain Based Architecture and Solution for Secure Digital Payment System** ", in *2021 IEEE International Conference on Communications (ICC): Communication Software and Multimedia Symposium (IEEE ICC'21 - CSM Symposium) , Montreal, Canada*, June-2021.

LEADERSHIP AND
PARTICIPATION

- Active in taking tutorial classes for skill development course in CRRao AIMSCS Institute, Hyderabad **Mar 2024**
- Selected and participated in World's biggest Ethereum hackathon, EthIndia 2024 held in Bangalore **Dec 2023**
- Demonstrated the Knuct Blockchain in the Tutorials of IEEE Conference ICBDS 2023 held in IIIT Naya Raipur **Oct 2023**
- Delivered a talk to 3rd year BTech CSE students on "Ethereum Blockchain Application" at IIIT Naya Raipur **Oct 2023**
- Senior Member, TSOC (The Society of Coders) Club, IIIT Naya Raipur **2018 - 2020**
- Training and Placement Cell Coordinator, IIIT Naya Raipur **2018 - 2019**
- Member, Designing team, Technovate, IIIT Naya Raipur **Mar 2017**

ACHIEVEMENTS

- **3rd Industrial Academia Meet, 2020:** Awarded as Runner-up for project "Token Movement within IPFS", IIIT - Naya Raipur

- **Merit-cum Scholarship:** Bachelor's Tuition Fee Waiver recipient for complete Undergraduate education, IIIT - Naya Raipur