

# Mohith Kumar M

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## PROFESSIONAL SUMMARY

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Pre-final year Information Science undergraduate (CGPA: 9.25) specializing in Blockchain, Cybersecurity, and AI/ML. Builds decentralized systems, federated learning pipelines, and threat intelligence platforms. National-level hackathon winner with active leadership in IEEE and GDG. Targeting roles in Blockchain Engineering, Cybersecurity, or AI/ML.

## EDUCATION

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### JSS Academy of Technical Education, Bengaluru

B.E. in Information Science and Engineering | CGPA: 9.25 (up to 5th Semester) | Sept 2023 – June 2027

## EXPERIENCE

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### Publicity Chair — IEEE Student Chapter, JSSATEB

2026

- Led publicity and outreach for the IEEE student branch, driving visibility for technical workshops, seminars, and hackathons.

### Core Member — Google Developers Group (GDG) on-campus, JSSATEB

2025 – Present

- Guided peers through Google Cloud Study Jams labs and contributed to organizing developer-focused events and mentoring sessions.

## PROJECTS

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### [BeatChain Tickets](#) | [Web3](#) | [Smart Contracts](#)

Tech: React, TypeScript, Node.js, Solidity, Ethers.js, Ethereum

- Decentralized ticketing platform issuing fraud-proof ERC-721 NFT tickets on Ethereum, eliminating scalping via Solidity smart contracts with dynamic pricing and Token ID verification.
- Integrated MetaMask for wallet-to-wallet payments and built RESTful APIs for full event and ticket lifecycle management on Sepolia testnet.

### [TICE – Threat Intelligence Correlation Engine](#) | [Cybersecurity](#) | [Threat Intelligence](#)

Tech: Python, Flask, TypeScript, React, Chart.js, Node.js

- Correlated threat data from 6 APIs (VirusTotal, AbuseIPDB, Shodan, GreyNoise, AlienVault OTX, ThreatFox) into real-time IP risk profiles with dark web intelligence tracking.
- Generated a unified proprietary risk score per IP by normalizing disparate threat formats and applying a weighted correlation algorithm across all intelligence sources.

### [Intrusion Detection System](#) | [Federated Learning](#) | [Privacy-Preserving AI](#)

Tech: Python, TensorFlow, Federated Learning, PySyft

- Federated ML system enabling distributed nodes to train a global intrusion detection model without sharing raw data, ensuring GDPR compliance and reduced bandwidth overhead.
- Achieved high anomaly detection accuracy across heterogeneous network environments by aggregating locally trained model weights using a federated averaging strategy.

## TECHNICAL SKILLS

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**Languages:** C, Java, Python, Solidity, JavaScript, TypeScript

**Frameworks:** React, Node.js, Express.js, Flask, FastAPI, TensorFlow, PyTorch, OpenCV

**Blockchain:** Ethereum, Algorand, Solidity, Ethers.js, ERC-721, Smart Contracts, IPFS

**Tools:** VS Code, Google Colab, Remix, Wireshark, Tshark, Kali Linux, Git

## ACHIEVEMENTS

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- 1st Place – 24-Hour National Level Hackathon, SMVIT Bengaluru — Rs.40,000 cash prize.
- 2nd Place – MakeForBengaluru Make-a-thon, RV Engineering College — Rs.7,000 cash prize.

## HOBBIES & INTERESTS

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VTU Cultural Fest participant (acting, 3 years) | VTU Kho-Kho tournament representative | Hackathons & Tech exploration