

Mohith Kumar M

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PROFESSIONAL SUMMARY

Information Science and Engineering student (CGPA 9.25) with full-stack production experience across Java, JavaScript/TypeScript, React Native, and PostgreSQL, deployed on AWS. Quick at picking up unfamiliar languages and codebases and shipping reviewed, working software, shown across an industry internship, distributed ML systems, and national hackathon wins. Additional depth in application security.

EDUCATION

B.E. in Information Science and Engineering

Sept 2023 – June 2027

JSS Academy of Technical Education, Bengaluru • CGPA: 9.1 (up to 6th Semester)

EXPERIENCE

Software Developer Intern – Dot2Dot Technologies Pvt. Limited

May 2026 – Present

Java • React Native • PostgreSQL • AWS

- Contributed end-to-end across backend (Java), mobile frontend (React Native), and database (PostgreSQL) layers of a production property-records application, with code reviewed and merged into a live codebase.
- Implemented input validation, authentication hardening, and secure API design across the stack.
- Deployed and operated the application on AWS, configuring IAM, security groups, encrypted storage, and CloudWatch monitoring.

RELEVANT PROJECTS

BeatChain Tickets Web3 / Full-Stack

React • TypeScript • Node.js • Solidity • RESTful APIs

- Learned Solidity and Ethereum's smart contract model from scratch and shipped a full-stack distributed app end-to-end on Ethereum's Sepolia testnet.
- Built and integrated RESTful APIs to manage the complete ticket lifecycle, validated with 5+ concurrent wallet sessions in a live demo.

Federated Intrusion Detection System Distributed Systems / Privacy-Preserving AI

Python • TensorFlow • PySyft • NSL-KDD Dataset

- Independently learned PySyft's federated learning framework to design distributed ML nodes that train a global model without centralizing raw data, working with a faculty mentor on architecture decisions.
- Achieved 94%+ anomaly detection accuracy using federated averaging, iterating on model design based on evaluation feedback.

TICE – Threat Intelligence Correlation Engine Full-Stack / Security

Python • Flask • TypeScript • React • REST APIs • Chart.js

- Built a full-stack application (Flask backend, React frontend) integrating 6 third-party REST APIs (VirusTotal, AbuseIPDB, Shodan, GreyNoise, AlienVault OTX, ThreatFox) into live IP risk profiles.
- Designed a weighted correlation algorithm to normalize data from independent external sources into a single unified score.

LEADERSHIP & COMMUNITY

Publicity Chair | IEEE Student Chapter, JSSATEB

2026

- Spearheaded outreach for technical workshops, seminars, and hackathons, growing chapter visibility and event participation.

Core Member | Google Developers Group (GDG) On-Campus, JSSATEB

2025 – Present

- Guided 30+ peers through Google Cloud Study Jams with hands-on GCP exposure (Compute, Monitoring, Cloud Operations).
- Co-organised developer-focused events and mentoring sessions, strengthening collaborative and communication skills.

TECHNICAL SKILLS

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

Frameworks & Tools: React, React Native, Node.js, Flask, FastAPI, PostgreSQL, TensorFlow, PyTorch, Git, VS Code

Cloud & Monitoring: AWS (EC2, IAM, CloudWatch, S3), GCP Cloud Operations, Prometheus (familiar), Grafana (familiar)

Security Tools: Wireshark, Tshark, Kali Linux, VirusTotal API, AbuseIPDB, Shodan, GreyNoise

Concepts: REST APIs, distributed systems, code review workflows, testing, observability, incident response

ACHIEVEMENTS

- Top 14 Finalist – Google Solution Challenge 2026: Build with AI, out of 6,700+ submitted solutions
- 1st Place – 24-Hour National Level Hackathon, SMVIT Bengaluru (Rs. 40,000 cash prize)
- 2nd Place – 24-Hour National Level Hackathon, RRCE Bengaluru (Rs. 15,000 cash prize)
- 2nd Place – MakeForBengaluru Make-a-thon, RV Engineering College (Rs. 7,000 cash prize)