

Karthikeyan

✉ rippleskarthi@gmail.com ☎ +916380588382 📍 India 🌐 <https://github.com/karthikeyanrao/>

🌐 <https://www.linkedin.com/in/karthikeyanrao-suresh/>

PROFILE

Third-year Computer Science Engineering student with strong expertise in cloud-native and full-stack development. Winner of Kurukshetra 2025 Hackathon for *MetaHive* (Web3 real estate platform) and MorphX 2.0 2025. Skilled in AWS (Lambda, Bedrock), React, Flutter, Java and Web3 smart contracts, delivering scalable, production-ready solutions.

PROFESSIONAL EXPERIENCE

Full Stack Development - Codenatives Completed a 1-month full-stack internship using Python & Django. Built a CRUD web app that improved data handling efficiency by ~20%.	05/2025 – 06/2025
Java Development- Intern - ShadowFox Developed and deployed a Java-based real-time inventory system applying OOP principles. Reduced manual updates by ~30% through automated workflows.	02/2025 – 02/2025
Software Developer - Intern - CorpField Automated end-to-end testing using Java and Cucumber, reducing manual testing efforts and boosting test reliability in agile sprints.	04/2023 – 08/2023

EDUCATION

Bachelor of Technology in Computer Science Engineering - Amrita Vishwa Vidyapeetham CGPA : 8.34 Modules: Data Structures and Algorithms , Operating Systems, Database Management Systems, Computer Networks, OOPs, Machine Learning.	05/2023 – 05/2027 Chennai, India
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PROJECTS

InsuraAI Built a serverless AI insurance claim validator using AWS Lambda, Step Functions, and Bedrock. Integrated OCR and LLM-based fraud detection to automate workflows, cutting claim processing time by ~15% and improving scalability.	06/2025 – 06/2025
MetaHive, Web3 Real Estate Developed an Ethereum-based property marketplace with role-based access and Firebase Authentication. Enabled secure decentralized property transfers and transparent transactions for 100+ listings.	02/2025 – 04/2025
SiteManager, Construction Management Created a full-stack React + Firebase web app for real-time project tracking, billing, payroll, and expenses. Streamlined payroll and billing operations, reducing administrative workload by 25%.	04/2025 – 05/2025

CERTIFICATION COURSES

Networking Essentials, Cisco Certified

Python Essentials, Cisco Certified

PUBLICATIONS

Enhancing Liver Cirrhosis Prognosis: A Machine Learning and Explainable AI Approach, <i>AICECS 2024, IEEE</i> 📄	2025
Enhancing Medical Image Segmentation using SAM , YOLOv8, LNNs, vol. 1240, Springer 📄	2025
Enhanced Image Analysis for Detecting Malaria Infection in Blood Samples, PuneCon 2024, IEEE 📄	2025

SKILLS

AWS | Java | React | Flutter | HTML/CSS | Blockchain

INTERESTS

CyberSecurity | Software Development | App Development | UI/UX Design | Networks