

AKASH RENGARAJ

Full Stack Developer | Software Engineer | AI Engineer | Web Developer

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PROFESSIONAL SUMMARY

Motivated Full Stack Developer and AI Engineer with hands on experience in developing, designing, building, and deploying production grade web and mobile applications using TypeScript, Python, React, Node.js, Spring Boot, Flutter, and MongoDB. Top 10 Finalist among 200 plus teams at HackIndia 2025. Demonstrated leadership, communication, teamwork, and problem solving skills as a Club leader and Event Coordinator. Maintained 8.32 CGPA. Delivered freelance solutions on time with 40 percent processing time reduction.

HARD SKILLS

Programming Languages: C++, Python, Typescript, SQL, Dart
Frontend Technologies: HTML5, CSS3, React, Tailwind CSS, Framer Motion, GSAP, Bootstrap, Responsive Web Design
Backend Technologies: Node, Django, Spring Boot, RESTful APIs, REST, JWT, OAuth, Authentication, Authorization
Mobile Development: Flutter, Dart, Cross Platform Mobile Development, Hive, Android, iOS
Databases: MongoDB, MySQL, Firebase, SQLite, MongoDB, Database Design
Cloud and DevOps: Google Cloud Platform, Vercel, Git, GitHub, Version Control, CI CD
AI and Data: Machine Learning, Agentic Automations, Computer Vision, OpenCV, IoT, Arduino, Raspberry Pi, Power BI, Data Analysis
Tools & Methodologies: Figma, Agile/Scrum, Cybersecurity
Vibe coding tools: Claude code, Antigravity 2.0, Open Code, Open Claw

SOFT SKILLS

Cross-Functional Collaboration, Technical Leadership & Mentorship, Root-Cause Troubleshooting, Autonomous Project Delivery, Rapid Skill Acquisition, Design Thinking, End-to-End Execution, Client-Facing Consultation

WORK EXPERIENCE

Freelance Full Stack Developer | January 2024 to Present | Coimbatore, India

- Delivered 2 production grade software projects end to end, managing requirements gathering, design, development, testing, and deployment phases independently
- Developed corporate website for United Works, a Singapore based telecommunications firm, using React.js and Node.js with full responsive design across mobile and desktop platforms
- Built SK Pyro Park mobile e commerce application using React, node js and Firebase, reducing manual order processing time by 40 percent through automated inventory and payment workflows

PROJECTS

Developer Portfolio: Engineered and deployed a custom, interactive professional web showcase at www.akashr.dev.

ARify 3D Room Scanning Pipeline | Present

Technologies: Flutter, FastAPI, Android ARCore, Unity (WebXR)

Architected open-source spatial platform using Android ARCore and Spherical Fibonacci mapping for 50-node 360-degree environmental capture. Designed zero-latency local pipeline with asynchronous FastAPI backend for 3D mesh reconstruction, eliminating cloud processing costs.

Get Up Cross Platform Productivity Application | 2024

Technologies: Flutter, Dart, Hive, Cross Platform Development

Built cross platform mobile application enabling users to track habits, finances, and goals, deployed on Android and iOS from single Flutter codebase with offline first Hive architecture

Sanjana Creations Full Stack E Commerce Platform | 2024

Technologies: React.js, Spring Boot, Java, REST APIs, MySQL, JWT Authentication

Architected full stack platform with 15 plus features including product catalog, JWT authentication, role based access control, and order management. Designed normalized MySQL schema and secure RESTful Spring Boot backend

EDUCATION

Higher School Education | 2009 to 2022

Tiruthangal Matriculation Higher Secondary School | Percentage: **89.8%** (449 of 500)

Higher Secondary School Education | 2022 to 2024

SNM Matriculation Higher Secondary School | Percentage: **90.5%** (543 of 600)

Bachelor of Technology in Artificial Intelligence and Data Science | 2024 to 2028

Sri Krishna College of Engineering and Technology, Coimbatore | CGPA: **8.32** of 10.0 (1st to 4th semester)

ACHIEVEMENTS AND CERTIFICATIONS

- Event Coordinator:** AI and Data Science Department Club, SKCET (2024 to Present). Organized 5 plus technical and non technical events, leading teams of 10 plus volunteers
- Certifications:** Front End Development (Meta via Coursera), Cybersecurity Foundations (Google), Artificial Intelligence and Machine Learning (IBM), Joy of Computing with Python (NPTEL IIT Madras), Version Control (Google)

HOBBIES

Guitar, Singing, Travelling, Photography, Drawing, Poetry, 3d modelling, IoT, Cooking