

Nagaraj R

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About Me

6th-semester Information Technology student aspiring to become a Software Development Engineer. Skilled in building scalable, user-focused applications and solving complex problems. Passionate about backend engineering, cloud technologies, and writing reliable, maintainable code.

Technical Skills

Programming Languages	Java, JavaScript, C
Core Concepts	Data Structures Algorithms (DSA), Object-Oriented Programming (OOP), OS , Problem Solving
Frontend	React.js (Basics), Redux, HTML5, CSS3
Backend	Node.js, Express.js, Fastify
Databases & ORMs	MySQL, PostgreSQL, SQL, Database Design, Sequelize ORM, Prisma ORM
Cloud & DevOps	AWS Cloud Practitioner, Cloud Fundamentals, DevOps Basics
Tools	Git, GitHub, VS Code

Education

Bannari Amman Institute of Technology <i>B.Tech Information Technology</i>	2023 – Present
• CGPA: 7.99 (up to 5th semester)	

Experience

Full Stack Intern — Crayon'd	Sep 2024 – Apr 2025
• Built and optimized backend REST APIs using Node.js, Express.js, and Fastify. • Designed MySQL and PostgreSQL schemas and integrated ORM tools like Sequelize and Prisma.	
Cloud and DevOps Training	Aug 2025 – Sep 2025
• Gained hands-on knowledge of cloud computing, networking, and security fundamentals. • Implemented CI/CD pipelines using GitHub Actions, practiced Git version control, and learned automation basics.	

Certifications

AWS Certified Cloud Practitioner	Aug 2025
• Valid Through: August 2028	
Crayon'd Internship Certificate — Full Stack Developer	Sep 2024 – Apr 2025
• Completed a full-stack development internship focused on backend engineering and API development.	
Core Java Certification — Apollo Computer Education	Apr 2023 – Aug 2023
• Learned Java fundamentals, OOP principles, and core programming concepts.	

Projects

Discussion Forum	Jan 2024 – Apr 2024
• Built a full-stack discussion platform using React, Node.js, and Express.js. • Developed RESTful APIs and designed MySQL database schemas. • Implemented authentication and authorization, including Google OAuth login.	
SkillSwap — Peer-to-Peer Skill Exchange Platform	Oct 2025 – Oct 2025
• Built a skill exchange platform with real-time chat using WebSockets. • Developed backend REST APIs, implemented schema validation, and documented APIs using Swagger. • Followed three-layer architecture (Controller, Service, Repository) for clean code separation and scalability. • Implemented JWT-based authentication and managed user roles and workflows.	
Online Food Delivery Platform	Dec 2025 – Present
• Built a full-stack food delivery platform using React, Redux, Node.js, Express, PostgreSQL, and Prisma ORM. • Designed microservices-based REST APIs using three-layer architecture with schema validation and Swagger documentation. • Implemented Redis caching, Kafka event processing, JWT authentication, and API rate limiting. • Deployed Dockerized services on AWS EC2 with NGINX load balancing and integrated Stripe for secure payments. • Set up CI/CD using GitHub Actions and configured DuckDNS for subdomain routing.	