

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 B.Tech Information Technology <ul style="list-style-type: none">CGPA: 7.99 (up to 5th semester)	2023 – Present
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Experience

Full Stack Intern — Crayon'd <ul style="list-style-type: none">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.	Sep 2024 – Apr 2025
Cloud and DevOps Training <ul style="list-style-type: none">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.	Aug 2025 – Sep 2025

Certifications

AWS Certified Cloud Practitioner <ul style="list-style-type: none">Valid Through: August 2028	Aug 2025
Crayon'd Internship Certificate — Full Stack Developer <ul style="list-style-type: none">Completed a full-stack development internship focused on backend engineering and API development.	Sep 2024 – Apr 2025
Core Java Certification — Apollo Computer Education <ul style="list-style-type: none">Learned Java fundamentals, OOP principles, and core programming concepts.	Apr 2023 – Aug 2023

Projects

Discussion Forum <ul style="list-style-type: none">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.	Jan 2024 – Apr 2024
SkillSwap — Peer-to-Peer Skill Exchange Platform <ul style="list-style-type: none">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.	Oct 2025 – Oct 2025
Online Food Delivery Platform <ul style="list-style-type: none">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.	Dec 2025 – Present