

# GOKULRAJ R

Software Engineer | Full Stack Developer | Cloud & AI Enthusiast  
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## EDUCATION

### KNOWLEDGE INSTITUTE OF TECHNOLOGY

B.TECH – INFORMATION TECHNOLOGY  
Salem | 2023 – 2026

### THIAGARAJAR POLYTECHNIC COLLEGE

DIPLOMA – CIVIL ENGINEERING  
Salem | 2020 – 2023

## TECHNICAL SKILLS

### LANGUAGES

Java, Python, C, C++, JavaScript (ES6+), TypeScript

### WEB DEVELOPMENT

HTML5, CSS3, ReactJS, Next.js, PHP, Laravel, Bootstrap, Node.js, Express.js, REST APIs, GraphQL

### DATABASES

MySQL, MongoDB, SQLite, PostgreSQL, Firebase

### CORE CS & BACKEND

DSA, OOP, DBMS, OS, Networks, Microservices, Design Patterns

### TOOLS/PLATFORMS

Git, GitHub, GitLab, VS Code, IntelliJ, Postman, Docker, Kubernetes (Basic), Jenkins (CI/CD), AWS (EC2, S3, RDS), Agile/Scrum

### OTHER SKILLS

Cloud Computing, API Development, Responsive UI/UX, Auth (JWT, OAuth2), Testing (JUnit, Jest), System Design

## ACHIEVEMENTS

- Delivered 45+ full-stack projects (SaaS, distributed systems, scalable backends).
- Finalist in a national-level healthcare hackathon, designing a distributed hospital queuing and admission system.
- Advancing expertise in Cloud, AI, and Distributed Computing.

## PROFESSIONAL SUMMARY

Results-driven Software Engineer and Full Stack Developer with strong expertise in **Data Structures, Algorithms, OOP, and DBMS**. Skilled in architecting, developing, and deploying **scalable, fault-tolerant full-stack applications** using Java, Python, ReactJS, Laravel, PHP, and MySQL. Delivered 45+ projects demonstrating proficiency in **distributed system design, API integration, and agile methodologies**. Proven experience through internships and hackathons, with a focus on **customer-centric, performance-optimized solutions**. Actively expanding knowledge in **Cloud Computing, AI, and Distributed Systems**.

## EXPERIENCE

### WSPL HOSTING | WEB DEVELOPMENT INTERN

Aug 2023 – Present | Remote

- Developed responsive front-end components with cross-browser compatibility.
- Implemented form validation, MySQL integration, and secure data handling, reducing input errors by 30%.

## PROJECTS

### E-SHOP PLATFORM – DISTRIBUTED E-COMMERCE APP | LARAVEL, REACTJS, MYSQL

- Engineered a multi-tier e-commerce system with authentication, order management, inventory, and analytics dashboard.
- Optimized queries and APIs, improving transaction efficiency by 35% and supporting concurrent user scalability.

### HOSPITAL QUEUE MANAGEMENT SYSTEM | REACTJS, NODE.JS/PHP, MYSQL

- Designed and deployed distributed OPD queuing and bed allocation system with scheduling algorithms.
- Reduced average patient wait time by 40% and optimized hospital resource utilization.

### SMART CLASSROOM MANAGEMENT SOFTWARE (SCMS) | PHP, MYSQL, BOOTSTRAP

- Automated attendance, scheduling, and performance tracking with a responsive web interface.
- Increased administrative efficiency by 50% via optimized queries and REST API integration.

### AI-POWERED CHATBOT FOR CUSTOMER SUPPORT | PYTHON, NODE.JS, REACT

- Built an AI-driven chatbot to handle customer queries 24/7 for small businesses.
- Integrated natural language processing (NLP) to understand user intents and provide accurate responses.
- Developed a dashboard for monitoring conversations, analytics, and chatbot performance.