

# Girisangar J

Coimbatore, Tamil Nadu • girisangarj@gmail.com • +91-93607-20746

[in LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [Portfolio](#)

## OBJECTIVE

B.E. CSE student (CGPA 8.52) applying for a Software Engineer Program at a global financial institution. Proficient in Java, Python, and Go with hands-on experience building secure, high-quality applications across the full Software Development Life Cycle. Passionate about applying technology to financial services and creating innovative solutions for social good.

## EDUCATION

### KPR Institute of Engineering and Technology

B.E in Computer Science and Engineering  
◦ CGPA: 8.52

Expected Graduation: June 2027

Coimbatore, Tamil Nadu

## TECHNICAL SKILLS

- **Languages:** Java, Python, Go, JavaScript/TypeScript, C++
- **Frameworks & Libraries:** Spring Boot, Spring Security, Spring Cloud, JPA, Hibernate, JWT, OAuth2, gRPC, Eureka, Spring Cloud Config, API Gateway, React, Angular, Next.js, Tailwind, Web3.js
- **Tools & Others:** Git, PostgreSQL, MongoDB, REST APIs, Docker, Kafka, Zipkin, Protocol Buffers, CI/CD, Cloud (Vercel, Render, Koyeb)

## PROJECTS

### Secure JWT Authentication API

RESTful Spring Boot backend with full JWT-based authentication and authorization



- Built Spring Security auth with custom UserDetailsService, token generation/validation, refresh flows, and role-based access control
- Established CI/CD pipeline with Docker and Koyeb for auto-builds and zero-downtime deployments

### Spring gRPC – High-Performance Inter-Service Communication

gRPC server-client implementation in Spring Boot using Protocol Buffers



- Defined service contracts using .proto files; generated Java stubs and implemented a full gRPC server and client
- Built all four RPC types: Unary, Server Streaming, Client Streaming, and Bidirectional Streaming
- Compared gRPC vs REST — observed lower latency and stricter contracts via Protocol Buffers in inter-service calls

### Spring Microservices – Distributed Backend System

Scalable microservices architecture using Spring Cloud (In Progress)



- Building 5 independent microservices connected through a single API Gateway with centralized routing
- Integrated Eureka for service discovery and Spring Cloud Config Server for externalized configuration management
- Applying patterns like circuit breaking, load balancing, and inter-service communication via REST

## EXPERIENCE

### CISCO

Network Intern

Jan 2023 – Apr 2023

Remote

- Designed enterprise-scale network schemas with VLAN segmentation and layered security protocols, applying industry best practices
- Improved network resiliency and performance by 40% through systematic router and firewall configuration and troubleshooting

### INFOSYS SPRINGBOARD

Angular Intern

Sep 2024 – Nov 2024

Remote

- Built Kanban task manager in an agile team setting with drag-and-drop (Angular CDK), reducing manual workflow management effort
- Delivered responsive UI for task lifecycle management (create, edit, reorder) with real-time state persistence

## ACHIEVEMENTS

- **e-Yantra Robotics Competition – IIT Bombay** | 3rd Prize out of 532 teams | 6-month national competition | 2024–25  
◦ Built an autonomous agricultural drone for precision farming under the Krishi Drone theme; competed against 532 teams over 6 months

## CERTIFICATIONS

- Angular Web Developer Certification - Infosys Springboard
- Networking - CISCO
- Full Stack Development, DevOps, Web3 - 100xDevs

## ADDITIONAL INFORMATION

**Languages:** Tamil (Native), English (Professional), Hindi (Basic)

**Interests:** Spring Security, Microservices, Web3, Full-Stack Development, Open Source