

# Jaya Ganesh Reddy Guggulla

✉ jayaganeshreddy05@gmail.com    🌐 Portfolio Website    in Jaya Ganesh Reddy    🐙 Github/Ganesh1005

## Education

**Vellore Institute of Technology (Vellore, Tamil Nadu)**

*August 2021 – May 2025*

*B.Tech in Computer Science with specialization in Blockchain Technology*

## Technical Skills

**Languages:** Java, SQL, Solidity, Python, JavaScript

**Frameworks & Technologies:** Spring Boot, Spring MVC, Spring Security, Hibernate/JPA, RESTful APIs, React.js, Thymeleaf

**Databases & Cloud:** MySQL, PostgreSQL, AWS, Azure

**Devops:** Docker, Kubernetes (EKS), Terraform, GitHub Actions, ArgoCD, OpenTelemetry

**Tools:** IntelliJ IDEA, Postman, Git, GitHub, Azure, Docker, Maven, JUnit, Mockito

## Certifications

**Microsoft Certified: Azure Fundamentals (AZ-900)** [🔗](#)

*16 June 2025*

- Achieved Microsoft Azure Fundamentals certification (AZ-900) with a score of 889/1000.

## Projects

**Job Portal Application – Spring Boot, Thymeleaf, Spring Security, MySQL**

[Project Website](#) [🔗](#)

- Developed a Full-stack job portal application with Spring Boot 3, Thymeleaf, and MySQL.
- Deployed the application on AWS Elastic Beanstalk with RDS and secured it via CloudFront.
- Built authentication and role-based access control with Spring Security.
- Designed RESTful APIs and integrated a responsive UI using Thymeleaf.
- Applied Spring annotations (@Controller, @Service, @Repository) and dependency injection for modular, maintainable code.

**E-Commerce DevOps – Microservices, AWS, Kubernetes, Terraform**

[github.com/repo](#) [🔗](#)

- Implemented DevOps practices (Docker, Kubernetes, Terraform, CI/CD) on a microservices-based e-commerce demo platform.
- Deployed multi-language services (Java, Go, Python, Rust) on AWS EKS with autoscaling and load balancing.
- Built CI/CD pipelines using GitHub Actions & ArgoCD for automated deployments.
- Provisioned infrastructure as code with Terraform (VPC, EKS clusters, ALB, security).
- Integrated OpenTelemetry, Prometheus, and Jaeger for distributed tracing, metrics, and debugging across services.

**Book Rental Platform – React.js, Spring Boot, Stripe API, JWT**

[github.com/repo](#) [🔗](#)

- Built a full-stack library management system with React.js frontend and Spring Boot backend.
- Designed RESTful APIs using Spring Data JPA/REST with custom queries, pagination, and sorting.
- Secured endpoints with JWT & OIDC authentication/authorization via Spring Security.
- Developed dynamic UI with custom React components, search, validation, and login/logout flows.
- Integrated Stripe API to enable secure online payments for premium features.

## Publications

**A Hybrid Algorithm to predict Parkinson's Disease using Freezing of Gait**

*Mar 2025*

Gopichand G., *Jaya Ganesh Reddy Guggulla*, Karthikeya R. M., Akash B., Fardeen S. M.