# Vempalli Shaik Saklain

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## Professional Summary

Software Engineer proficient in crafting robust backend systems using Java, Spring Boot, and microservices architectures. Adept at building and deploying scalable RESTful APIs for high-performance applications. Skilled in Python for implementing foundational machine learning solutions, enhancing software intelligence. Passionate about leveraging advanced Java concurrency, cloud technologies (AWS, Docker, Kubernetes), and CI/CD pipelines to deliver production-grade solutions, with a commitment to continuous skill growth in modern software engineering.

## Education

**Raghu Engineering College**                                      *2022 – Expected 2026*
*Bachelor of Technology in Computer Science and Engineering*
- CGPA: 8.03/10.0

**Sri Chaitanya Junior College**                                      *2022*
*Intermediate*

**Sri Chaitanya Techno School**                                      *2020*
*10th Grade*

## Skills

**Languages & Frameworks:** Java, Spring Boot, Spring Security, Spring Cloud, JPA, Hibernate, SQL, Python

**Cloud & DevOps:** AWS (EC2, RDS, S3, SQS, CloudWatch, Elastic Beanstalk), Docker, Kubernetes, CI/CD (GitHub Actions)

**Developer Tools:** Git, GitHub, Maven, Postman, IntelliJ IDEA, JUnit 5, Mockito, Redis, MySQL

**Computer Science Fundamentals:** Operating Systems (Processes, Threads, Deadlock), Networking (TCP/IP, HTTP/2), Database Theory (ACID, Indexing, NoSQL)

## Technical Highlights

- Developed, tested, and deployed multiple production-grade full-stack applications using industry best practices.
- Solved 250+ Data Structures & Algorithms problems on LeetCode and designed architectures for 10+ distributed systems in academic and personal projects.

## Projects

**SHOPAURA**                                      *github.com/saklain-s/Ecommerce*
- Engineered a full-stack e-commerce platform (Spring Boot, React) with 15+ REST APIs, featuring a robust security model with JWT and Role-Based Access Control (RBAC).
- Integrated Redis for high-performance caching, AWS SQS for asynchronous order processing, and deployed the containerized application to AWS Elastic Beanstalk.

**BLOGNEST**                                      *github.com/saklain-s/blognest*
- Engineered a scalable Blog API using a microservices architecture in Spring Boot, featuring JWT authentication and a complete CI/CD pipeline using GitHub Actions.
- Authored a comprehensive test suite with JUnit and Mockito, achieving 90% code coverage to ensure API reliability and maintainability.