

Shivan Samala

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OBJECTIVE

Passionate Core Java Developer eager to contribute to dynamic software projects. Excited to apply Java skills and gain hands-on experience in design, development, and implementation. Seeking a challenging internship in a collaborative environment to enhance Java proficiency, problem-solving, and teamwork skills. Dedicated to leveraging cutting-edge technologies for impactful contributions in software development.

EDUCATION

Kakatiya Institute of Technology and Science, Warangal

Nov 2022 – May 2026

Bachelor of Engineering in Computer Science (Networks)

CGPA : 8.29

SKILLS

- **Programming Languages:** C, Java, Python, JavaScript
- **APIs & Databases:** RESTful APIs, MySQL, PostgreSQL (PostGIS), SQLITE
- **Tools/Technologies:** Spring Boot, SQL, Hibernate, Design Patterns, CI/CD, Dagger, Agile Development, Microservices, AWS, Docker, Kubernetes, JUnit, AOP, Apache Kafka, Git.
- **Technical Proficiencies:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Complexity Analysis.
- **Soft Skills:** Problem Analysis, Team Collaboration, Managed teams and organized events, Clear Communication, Initiative and Guidance

PROJECTS

AlgoTrack - 'From Beginner to Pro - Track Your Coding Journey' | [Link](#) | [Github](#)

- **Full-Stack DSA Tracker:** Developed a curated learning platform for Data Structures & Algorithms (DSA) where users can track their problem-solving progress across topics and platforms like Leetcode, CodeChef, Codeforces.
- **User-Centric Progress Tracking:** Implemented real-time status updates with visual progress indicators, authentication via JWT and OAuth2, and a Structured vs Roadmap view toggle for personalized learning.
- **Technologies Used:** Spring Boot, ReactJS, PostgreSQL, JWT, OAuth2, AWS Amplify, AWS Elastic Beanstalk, AWS RDS

WakeWeb - 'Never Let Your Server Sleep' | [Link](#) | [Github](#)

- **Cloud-Based Uptime Management Platform:** Engineered a full-stack web application that keeps web servers alive by periodically pinging registered URLs to prevent them from idling or shutting down due to inactivity (common in free-tier hosting environments).
- **Automated Server Pinging and Logging:** Implemented backend scheduling using Spring Boot's @Scheduled tasks to send health-check pings every 10 minutes to registered URLs, with timestamped results stored in PostgreSQL to support uptime analytics and downtime alerts.
- **Technologies Used:** Spring Boot, ReactJS, PostgreSQL, JWT, OAuth2, AWS Amplify, AWS Elastic Beanstalk, AWS RDS, Spring Security

ACHEIVEMENTS and CERTIFICATIONS

AWS Certified Developer - Associate

- **Cloud Proficiency:** Earned AWS Developer Certification, validating skills in developing, deploying, and debugging cloud applications using Core AWS services.
- **Practical Implementation:** Demonstrated knowledge in AWS lambda, S3, DynamoDB, and CI/CD using CodePipeline and CodeBuild.

Problem Solving Milestone

- **700+ Problems Solved:** Built strong algorithmic and problem-solving skills by solving 700+ problems on Leetcode, Codeforces, CodeChef, GFG.

HackSIU 2022 - 2nd Place, Best AI Project

- **AI Innovation:** Developed "Lung Cancer Detection using CNNs" a deep learning model to identify lung cancer from medical scans with high accuracy.
- **Recognition & Impact:** The project secured 2nd place for best AI Project, demonstrating innovation in applying neural networks to healthcare problems.

EXPERIENCE

Contributor – GirlScript Summer of Code 2024

May 2024 – August 2024

- Contributed to open-source projects by resolving issues, implementing features, and participating in code reviews, demonstrating strong collaboration and Git proficiency.

Executive Committee Member – Technical Club - KITSW

August 2023 - Present

- Part of organizing various departmental tech events and workshops, including coding contests, ideathons and hackathons, while supporting event logistics, technical setup, and team coordination.