

Shivani Sonwane

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Professional Summary

Motivated Software Developer with a strong foundation in scalable Java backend systems and RESTful APIs. Experienced in AI/ML, microservices, and full-stack web development with real-world deployments. Led a 9-member development team, driving collaboration and delivering high-impact software solutions.

Education

B.Tech in Computer Science & Engineering (AIML)

Dec 2021 – Jun 2025

Keshav Memorial Institute of Technology, Hyderabad

CGPA: 8.3/10

Relevant Coursework: Algorithms, Data Structures, Machine Learning, Web Development, AI

Experience

Java Instructor

Jun 2025 – Present

Tech Nirmaan

- Conducted Core Java sessions for 100+ 3rd-year SMEC students, covering OOP, DSA, and placement prep.
- Designed debugging labs simulating common coding errors, improving students' issue resolution speed by 35%.

Junior Software Developer Intern

Jan 2025 – May 2025

EPAM Systems, Hyderabad

- Developed RESTful APIs with Java 17, Spring Boot, and MongoDB, improving latency by 25%.
- Refactored legacy code using SOLID principles and design patterns, enhancing maintainability by 20%.
- Integrated CI/CD pipelines and collaborated across teams, reducing issue resolution time by 40%.

AI/ML Project Student Intern

Sep 2024 – Dec 2024

NRSC, ISRO, Hyderabad

- Enhanced SAR image clarity using GANs, improving resolution by 30%.
- Conducted EDA and visualization on radar datasets, improving analysis time by 20%.
- Researched denoising algorithms, achieving 15% noise reduction.

Teaching Assistant – Web Development

Aug 2022 – Sep 2022

International Finishing School

- Resolved 60% of front-end development doubts (HTML, CSS, JS) for students from Ghana and South Africa.
- Conducted interactive doubt-clearing sessions, which resulted in a 30% improvement in concept clarity.

Projects

Foodie Me – Java-based Food Ordering System

- Designed backend logic for 50+ menu items with cart, order, and inventory modules.
- Optimized data structures and search flow to reduce average response time by 30%.

Diabetes Prediction System

- Developed and compared ML models (SVM, Logistic Regression, KNN), achieving up to 85% accuracy.
- Deployed the best model via a Flask web app with a user-friendly UI, reducing prediction time by 40%.

Technical Skills

Programming: Java, Python, JavaScript

Web & Backend: HTML, CSS, Spring, Spring Boot, Flask, REST APIs, Microservices

Databases: MongoDB

AI & ML: Machine Learning, NLP, EDA, GANs

Tools: Git, VS Code, Jupyter Notebook

Achievements

- **3rd Place – National Level Hackathon**, organized by NNRG
- **Developer – kMITRA e-Magazine**, managed and updated website serving 10,000+ readers