



Manoj Sonawane

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Summary

I am a Full Stack Engineer who prioritizes code quality and system performance. I have improved user engagement by 40% by refining microservices architectures. My technical stack centers on Java (Spring Boot) and Angular, supported by robust CI/CD pipelines. Beyond full-stack expertise, I bring additional skills in machine learning and deep learning, applying data-driven approaches to optimize system intelligence and enhance user experiences. I have hands-on experience with TensorFlow, PyTorch, and scikit-learn, enabling me to design and deploy predictive models and integrate AI-driven features into applications.

Education

- **Savitribai Phule Pune University (SPPU)** 2022 - 2025
Bachelor of Computer Applications (BCA)
B+ Grade
- **Savitribai Phule Pune University (SPPU)** 2025-2027
Master Of Computer Application (MCA)
Pursuing

Skills

- Languages: Java, Python, SQL
- Frameworks: TensorFlow, Scikit-Learn, Spring boot, Angular, Eclipse ide, vscode
- Tools : MySQL, MongoDB, Git, GitHub

Projects

- **Smart Lexicon (using LLM api integration)**

Intelligent Learning Engine: Developed a Marathi-to-English vocabulary platform designed to solve long-term retention issues through structured, spaced review.

Contextual Mastery: Integrated rich features including bilingual definitions, part-of-speech tagging, and a minimum of three usage examples per word to deepen semantic understanding.

- **The Urban Biodiversity Oracle (Eco-AI)**

Designed a predictive model that translates urban soundscapes into actionable ecological data for biodiversity conservation.

Analyzed acoustic ecology patterns to detect the presence of endangered pollinators and assess environmental health indicators.

Built a decision-making framework that provides users with data-driven planting strategies to bridge gaps in local wildlife corridors.

Keywords: Machine Learning, Acoustic Ecology, Data-Driven Insights, Environmental Modeling.

Certifications

- **Java Full Stack Developer Certification**

From Symbiosis University (January 2025)

- **Deep Learning Fundamentals**

From Cognitive class
(January 2026)

- **Mongo DB**

From Coursera EDUCBA (November 2024)

- **Angular Developer**

From Coursera EDUCBA (January 2025)

Personal Details

- Date of Birth : 29/04/2004
- Nationality : Indian
- Gender : Male
- Place : Nashik Maharashtra