SWAPNIL GANDHALE

Full-Stack Developer | AI&DS Enthusiast
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LinkedIn | GitHub

SUMMARY

Full-Stack Developer specializing in React.js and Node.js, with hands-on experience building, deploying and maintaining web applications. Ability to integrate AI-driven features via REST APIs using Python and Flask to enhance real-world products. Strong foundation in frontend engineering, backend APIs.

EDUCATION

Bachelor of Engineering (B.E) - Artificial Intelligence & Data Science   **Nov 2022 - Mar 2026**
G. S. Moze College of Engineering, Pune
CGPA: FE - 8.23 | SE - 8.34 | TE - 8.86

Senior Secondary (XII)   **Mar 2022**
L.G. Bansude Junior College, Palasdeo | Percentage: 78.00%

Secondary (X)   **Mar 2020**
L.G. Bansude School, Palasdeo | Percentage: 89.60%

TECHNICAL SKILLS

- Frontend: HTML, CSS, JavaScript, React.js
- Backend: Node.js, Express.js, REST APIs, JWT Authentication, SQL Database
- AI Integration: Python, Flask, YOLOv8, API-based ML inference
- Tools: Git, GitHub, Postman, Figma
- Core Concepts: CRUD Operations, API Integration, Client–Server Architecture

PROJECTS

NavEye - AI-Enhanced Assistive Navigation System
Tech: Python, YOLOv8, Flask, Raspberry Pi 3
- Designed and implemented a real-time object detection system to assist visually impaired users with obstacle awareness.
- Integrated YOLOv8 for live inference and audio feedback using a lightweight Flask-based service.
- Deployed on Raspberry Pi 3 for real-world testing and portability.
- Won 1st Prize at college-level hackathon; project submitted to Smart India Hackathon 2024.

Agrosphere – Personalized Scheme Navigator for Farmers
Tech: React.js, Java Spring Boot, Python (Machine Learning), Flask, MySQL, REST APIs, Git/GitHub
- Built a web-based platform to recommend government welfare schemes using farmer-specific data.
- Implemented a hybrid eligibility and recommendation engine using Spring Boot and Python ML.
- Integrated React frontend with REST APIs and MySQL for end-to-end personalization and scalability.

Personal Portfolio Website
Tech: React.js
- Implemented responsive design, smooth scroll animations, and a downloadable docs feature.
- Deployed on Netlify with a custom domain: https://personalportfolioswapnil.netlify.app

EXPERIENCE

Data Analysis Intern (NeuAi Lab | Jul 2024 – Oct 2024)
- Conducted data cleaning and statistical modeling to identify key patterns.
- Presented insights to enhance operational efficiency.
- Analyzed Uber Ride data using Pandas, NumPy and Matplotlib.