

SNEHA BANSAL

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EDUCATION

Bharati Vidyapeeth (Deemed to be University) College of Engineering
B.Tech in Computer Engineering (agg. 9.8 CGPA)

Pune, Maharashtra
August 2022 – Present

SKILLS

Languages: Java, Python, HTML, CSS, JavaScript
Frameworks: ReactJS, NextJS, Tailwind CSS, Bootstrap, Robyn, Flask, Streamlit, Django
Databases: MySQL, MongoDB
Technologies: Artificial Intelligence & Machine Learning (AI/ML)
Developer Tools: Git, VS Code, postman

WORK EXPERIENCE

Software Developer Intern

January 2025 – Present

Kabadi Techno

Remote

- Developing high-performance backend APIs using the **Robyn framework**.
- Built **SignI** – a platform for auth, profile management, Drive integration, and **rMQR-based digital signatures**.
- Currently working on **backend development** using Django to build and scale the **Kabadi Techon** website 🐍.

Web Developer Intern

June 2024 – August 2024

Xzect Labs Private Limited

Remote

- Developed a fully responsive **Masco landing page** using HTML, CSS, Bootstrap, and JavaScript, ensuring seamless user experience across all devices. 🐍
- Built a fitness tracker chatbot with **Next.js**, integrating the **Replicate API** for user interaction, activity tracking, and personalized recommendations, with a **Node.js** backend to store user chats in MongoDB based on consent. 🐍

PROJECTS

DigiPIN Portal | *Next.js, JavaScript, Map API, CSV Handling* 🐍

July 2025 – Aug 2025

- Collaborated with **Chaman Sinha** to build an **open-source web application** with **batch processing** to encode/decode DigiPINs ↔ latitude & longitude.
- Enabled **CSV export** for bulk data collection and integrated a **real-time dynamic map**.
- Designed for **logistics, emergency services, IoT, and smart city applications**.

AI Interview Coach | *Python, Flask, Streamlit* 🐍

April 2025 – May 2025

- Developed **AI Interview Coach** using **Gemini API and Flask**, generating personalized interview questions and model answers tailored to specific roles and companies.
- Developed a **Firefox extension** for instant access via browser popup.

Grocery Store Management System | *Python, Flask, HTML, CSS, JS* 🐍

March 2025 – April 2025

- Developed a **full-stack grocery store management** web app using **Flask and Bootstrap**, implementing user authentication, inventory control, order processing, and unit of measure management.
- Built and integrated a **RESTful API** for **seamless CRUD operations**, enabling efficient handling of inventory, user accounts, and orders in a scalable architecture.

Page Replacement Algorithm Visualization | *Python, Tkinter, Matplotlib, Pygame* 🐍

January 2024 – March 2024

- Developed a project to simulate and visualize various page replacement algorithms with a **Tkinter-based GUI**.
- Executed **FIFO, LRU, and Optimal algorithms**, showcasing real-time process visualizations and performance metrics with Matplotlib.
- Incorporated sound notifications for page hits and misses using **Pygame**, enhancing user interaction.

CERTIFICATIONS

Introduction to Artificial Intelligence® – Coursera 🐍

february 2025 – March 2025

Data Science For Engineer® – NPTEL 🐍

July 2024 – September 2024

Introduction to Machine Learning® – Coursera 🐍

August 2023 – September 2023

Data Structure and Algorithm Using Python® – NPTEL 🐍

July 2023 – September 2023

Google Drive Clone Using HTML and Material CSS Bootcamp-® – Microsoft 🐍

September 2022 – October 2023