

# 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  
**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**.
- Building **SignI**, a platform for user authentication, profile management, document access, **Google Drive integration**, and digital signature generation with **rMQR** codes.

### 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

### 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.

### Hotel Management System | Java, Swing, MySQL

March 2024 – April 2024

- Directed the development of the Hotel Management System, incorporating features such as **room management**, **booking system**, and **payment receipt generation**.
- Applied **JDBC** for database connectivity and executed complex queries to manage data efficiently.
- Formulated a user-friendly GUI with the **Swing library** to enhance usability for hotel staff and management.

### 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