SNEHA BANSAL

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EDUCATION

Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune, Maharashtra
B.Tech in Computer Engineering(agg.9.6 CGPA) *August 2022 – Present*

SKILLS

Languages: Java, Python, HTML, CSS, JavaScript
Frameworks: ReactJS, NextJS, Tailwind CSS, Bootstrap, Robyn
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

Online Education Website | *HTML, CSS, JS, MongoDB* ⸂ July 2024 – August 2024
- Implemented features such as *user registration and course enrollment* to enhance the learning experience.
- Leveraged *MongoDB* to store and manage user details, including registration information and course progress.

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