Deepak Pal

Panipat, Haryana, 132103

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Education

Maharaja Agrasen Institute of Technology Nov 2022 – June 2026
B.Tech in Information Technology (CGPA: 8.3) *New Delhi, India*

Arya Sr Sec School April 2021 – June 2022
Class 12th *Haryana, India*

Work Experience

DRDO SSPL Lab July 2024 – Sep 2024
Web Development Intern *New Delhi, India*

- - Developed an inventory management system using the MERN stack, allowing seamless product tracking and inventory updates.
- - Tested, debugged, and enhanced the website independently, ensuring smooth functionality and optimized performance.
- - Collaborated with senior developers to integrate advanced search and filter functionalities.
- - Designed and implemented a responsive user interface, ensuring accessibility across devices.

Skills

Programming Languages: C/C++, Python, JavaScript
Frontend Development: React.js, React Hooks, Zustand, JSX, Tailwind CSS, Bootstrap
Backend Development: Node.js, Express.js, MongoDB, REST APIs, JWT Authentication, Cloudinary
Tools & Platforms: Git/GitHub, VS Code, Postman, DevC++, Sublime Text
Data Processing & Visualization: NumPy, Pandas, Matplotlib, Seaborn

Projects

Breast Cancer Detection | *Python, NumPy, Pandas, Scikit-learn, Matplotlib* **Repo Link | Demo**

- - Implemented Logistic Regression, Decision Tree, and Random Forest classifiers for breast cancer detection.
- - Preprocessed medical data using Pandas and NumPy, handling missing values and feature scaling.
- - Evaluated models using accuracy, precision, and recall, selecting the best-performing model.
- - Visualized feature importance and classification results with Matplotlib for better interpretability.

VibeChat – Real-time Chat App | *React.js, Node.js, Express.js, Socket.IO, MongoDB, Tailwind CSS* **Repo Link**

- - Built a real-time chat application using Socket.IO for instant messaging and notifications.
- - Enabled user authentication, private chats, and group conversations with MongoDB as the database.
- - Designed an intuitive and responsive UI with Tailwind CSS to ensure a smooth user experience.

Inventory Management System | *React, Node.js, Express, MongoDB, Cloudinary, Multer, JWT, Redux* **Repo Link**

- - Developed a full-stack inventory system with real-time tracking using MongoDB and Express.
- - Secured authentication with JWT, ensuring safe user login and access control.
- - Used Redux for efficient state management and Cloudinary + Multer for secure file uploads.

Online Profiles

</> LeetCode 💼 LinkedIn 🌐 Portfolio </> Codeforces </> GFG </> Code Studio

Achievements

Winner of DSA EXTREME_BATTLE, securing first place in the competition.

Solved over **1000+ coding questions** on platforms like **LeetCode**, **CodeStudio**, **CodeChef**, and **HackerBlocks**.

Maintained a **400+ day streak** on **LeetCode**, consistently solving problems daily to improve coding skills.