

DEEPAK PAL

Panipat, Haryana, 132103

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Education

Maharaja Agrasen Institute of Technology

B.Tech in Information Technology (CGPA: 8.3)

Nov 2022 – June 2026

New Delhi, India

Arya Sr Sec School

Class 12th

April 2021 – June 2022

Haryana, India

Work Experience

DRDO SSPL Lab

Web Development Intern

July 2024 – Sep 2024

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, Typescript

Frontend Development: React.js, Next.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 | **Live 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.

Task Manager | *MERN, TypeScript, Tailwind, Swagger, Jwt Authentication*

Repo Link | **Live Demo**

- Built a full-stack task manager with authentication, task CRUD, and status tracking (Pending/In-Progress/Done)
- Used node-cron for scheduled task closure and Swagger for backend API documentation.
- Integrated Context API, Lucide icons, and a responsive UI with React.js and Tailwind CSS.

Online Profiles

 LeetCode

 LinkedIn

 Portfolio

 Codeforces

 GFG

 Code Studio

Achievements

Winner of DSA EXTREME BATTLE, securing first place in the competition, organized by Coding Blocks.

Secured **2nd position** in **GraphX**, a graph-based coding competition organized by **AlgoUniversity**.

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.