

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.

Projects

Student Result Analysis | *NumPy, Pandas, Matplotlib, Seaborn, Python*

Repo Link

- Analyzed student performance data to study the impact of parental education and marital status on scores.
- Visualized trends using Seaborn and Matplotlib, including gender distribution and ethnic group representation.
- Employed Pandas and NumPy for efficient data processing and statistical analysis.

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

Repo Link

- Designed and developed a full-stack inventory management system, enabling real-time product tracking and inventory updates.
- Integrated JWT-based authentication for secure user login, profile management, and password recovery.

BookSwap | *MERN Stack, Firebase, Mongoose, Tailwind CSS, Material UI, React Hook Form, Redux Toolkit*

Repo Link

- Created an intuitive book-swapping platform featuring real-time user notifications and a seamless user interface built with Tailwind CSS.
- Engineered the platform to allow users to list, search, and borrow books, with Firebase integration for authentication and data storage.

Skills

Programming Languages: C/C++, Python, JavaScript

Web Development: MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML, CSS, Bootstrap, Tailwind CSS, Material UI

Frontend Technologies: React Hooks, Zustand, JSX

Backend Technologies: REST APIs, MongoDB, Mongoose, Firebase, JWT Authentication, Cloudinary

Data Science & Analytics: NumPy, Pandas, Matplotlib, Seaborn

Tools & Platforms: Git/GitHub, VS Code, Postman, DevC++, Sublime Text

Online Profiles

 [LeetCode](#)

 [LinkedIn](#)

 [Portfolio](#)

 [Code Studio](#)

Achievements

Winner of DSA EXTREME BATTLE, securing first place in the competition.

Solved over **800+** coding questions on platforms like **LeetCode**, **CodeStudio**, **CodeChef**, and **HackerBlocks**.

Maintained a **300+** day streak on **LeetCode**, consistently solving problems daily to improve coding skills.