

# DEEPAK PAL

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## Education

**Maharaja Agrasen Institute of Technology**

*B.Tech in Information Technology (CGPA: 8.21)*

**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.
- Documented development workflows and provided recommendations for future system improvements.

## Projects

**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.
- Implemented data validation, error handling, and secure file uploads using Cloudinary and Multer for enhanced reliability.

**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.

**File Sharing App** | *MERN Stack, Tailwind*

**Repo Link**

- Developed a secure file-sharing application that allows users to upload, share, and manage files efficiently.
- Implemented responsive design using Tailwind CSS to ensure a consistent experience across all devices.

## Skills

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

**Web Development:** MERN Stack, HTML, CSS, Bootstrap, JavaScript, React JS, Tailwind CSS, Node.js, Express.js, REST APIs

**Backend Technologies:** APIs, MongoDB, Mongoose, Firebase

**Frontend Technologies:** React Hooks, Redux-Toolkit, JSX, Material UI

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

## Online Profiles

 [LeetCode](#)

 [LinkedIn](#)

 [Portfolio](#)

 [Code Studio](#)

## Achievements

Solved over **600+** coding questions on platforms like **LeetCode**, **CodeStudio**, **CodeChef**, and **HackerBlocks**.

Ranked **90th** out of 5000 participants in the GFG Job-A-Thon 34 Hiring Challenge with a score of **165** out of 170.

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