

# SHAURYA PRATAP SINGH

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## EDUCATION

### B.Tech in Computer Science & Engineering

Rajiv Gandhi Institute of Petroleum Technology

Expected May 2025

Current CPI: 7.6 (Till 6th semester)

## TECHNICAL SKILLS

**Languages:** C, C++, Python, JavaScript, TypeScript

**Frontend:** HTML, CSS, React.js, Next.js, Tailwind, React Three Fiber, React Native

**Backend:** Node.js, Express.js, MongoDB, MySQL, Firebase, WebSockets

**Other Technologies:** GitHub, Docker, Jest, Arduino, Unix/Linux

**Frameworks/Concepts:** OOP, Data Structures and Algorithms, OpenCV, Pandas, NumPy

## EXPERIENCE

### Web Developer Intern at Deep Scan

September 2024 – November 2024

- Developed two production-ready websites using React and Node.js, ensuring responsiveness, scalability, and seamless user experience.
- Built a data-processing platform that automated the ingestion of CSV files, converting them to JSON, and automating data ingestion to an API for real-time processing.
- Collaborated with team members to deliver clean, maintainable code, optimized existing projects for performance, and integrated secure workflows using REST APIs and libraries like Axios, bcryptjs, and Mongoose.

### Web Developer Intern at Dumbledore Media

May 2024 - July 2024

- Developed MERN stack websites for a travel agency, makeup academy, and updated the agency's site with React Three Fibre for 3D effects and responsiveness.
- Deployed websites using Vercel (frontend) and Render (backend), used UptimeRobot to keep the backend alive on Render's free plan. Worked extensively with REST APIs and libraries such as Axios, JsonWebToken, BcryptJS, Nodemailer, Mongoose, cors, Multer, body-parser, and validator.
- Designed Figma layouts for modern, user-friendly interfaces. Collaborated with team members to ensure seamless development and deployment, delivering optimized, scalable, and secure solutions.

## PROJECTS

### Greener-Grub | React.js, Node.js, Express.js, MongoDB, Dijkstra's Algorithm – GitHub

Dec 2023 - Feb 2024

- Developed a platform connecting food suppliers with local food banks and NGOs to reduce food wastage.
- Built separate admin panels for NGOs to optimize operations and logistics.
- Implemented data analytics to optimize food rescue routes, leveraging Dijkstra's Algorithm to minimize transportation costs and maximize efficiency.

### Makeup Academy Website | MongoDB, Express.js, React.js, Node.js, Vercel, Render – GitHub

Aug 2024 - Oct 2024

- Developed a full-stack website for a makeup academy, featuring a dynamic portfolio and responsive design.
- Implemented a real-time customer review system with MongoDB integration for seamless updates.
- Deployed the frontend on Vercel and the backend on Render, ensuring scalability and real-time performance monitoring.

### Face Recognition System | Python, OpenCV, NumPy – GitHub

July 2023 - Aug 2023

- Developed a face recognition system leveraging Python, OpenCV, and NumPy for image processing and data manipulation.
- Implemented image capturing and pre-processing using OpenCV to enhance recognition accuracy.
- Used NumPy for efficient array handling and optimized image workflows.

## ACHIEVEMENTS

- Finalist in Reckon 5.0, a hackathon organized by **JIET & Ideaforage Innovation Pvt. Ltd.**
- Qualified IIT-JEE Advanced 2021 (Top 1.4%).
- Vice-President at ACM (Association for Computing Machinery) RGIPT SC (Aug 2023 - May 2024).
- Co-Chief of Organizing committee of ENERGIA (Sports Fest) (Aug 2022 - May 2023).
- Solved **400+** problems across various competitive programming platforms.