SHAURYA PRATAP SINGH

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EDUCATION

B.Tech in Computer Science & Engineering   Expected May 2025
Rajiv Gandhi Institute of Petroleum Technology   *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, Expo
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 − (**LOR**)   Sep 2024 - Nov 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 clients (travel agency, makeup academy) and enhanced agency sites with React Three Fiber for 3D effects and responsiveness.
- Deployed websites using Vercel (frontend) and Render (backend), utilized UptimeRobot for backend uptime, and integrated REST APIs with libraries like Axios, JWT, BcryptJS, and Mongoose.
- Designed Figma layouts for modern UI/UX, collaborated with teams to deliver scalable, secure, and optimized solutions.

PROJECTS

Diabetic Checker Mobile APP | *React Native, Node.js, Express.js, MongoDB* – **GitHub**   Dec 2024 - Feb 2025
- Developed a React Native app for iOS and Android, enabling diabetic risk assessment via user inputs, AI-based foot photo analysis, and personalized health reports with test reminders.
- Built a Node.js, Express.js, and MongoDB backend for data management, report generation, and automated notification scheduling.
- Delivered for a client in Saudi. 1st place winner at a medical conference(DFCSA,2025), in Jeddah, Saudi Arabia, for its impact on diabetic care.

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.

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.