Sourav Deb

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Education

Uttarakhand Technical University **Aug. 2021 – Present**
B.Tech in Computer Science and Engineering - CGPA - 8.5 *Roorkee, Uttarakhand*

Experience

Explorin **June 2024 – Present**
Trainee & Development Intern *Roorkee, Uttarakhand*

- Worked closely with senior engineers on MERN stack projects, improving front-end responsiveness, optimizing back-end performance, and refining application architecture for enhanced functionality and scalability.
- Developed strong problem-solving skills by tackling over 1000 DSA problems on online platforms, enhancing my ability to address complex technical challenges in real-world applications.

Projects

Boardy — Click | *React.js, Convex, Clerk, Shadcn* **October 2024**

- Developed a collaborative whiteboard application facilitating real-time user presence, interactive drawing tools, and advanced layer management on a shared canvas for seamless team collaboration.
- Implemented secure authentication with role-based access control, enabling organization-specific permissions and synchronized state management to support dynamic, multi-user interactions for enterprise collaboration.

StayHub — Click | *MongoDB, Express.js, Node.js, Mapbox API* **November 2023**

- Developed an Accommodation Management Platform with geolocation features, secure navigations and full CRUD operations, streamlining the booking process.
- Enhanced user experience by integrating interactive maps and optimizing the codebase, resulting in a 20% reduction in latency.

Smart Resume Analyser — Click | *Streamlit, PyResparser, Plotly.express, PDFMiner* **August 2022**

- Developed an automated Resume Analyzer for candidates and hiring teams, leveraging Pyresparser, Streamlit, and PDFMiner for resume analysis and improvement suggestions, streamlining recruitment workflows.
- Built an admin dashboard with Plotly.express visuals to categorize candidates by experience and skills, enhancing recruitment efficiency and earning the **'TechnoMax 2023'** award.

FoodKart — Click | *React, Redux, API, Tailwind* **August 2024**

- Developed a scalable Swiggy clone webapp, implementing primary features such as add-to-cart, restaurant search, and filtering while optimizing state management with Redux for improved performance and ensuring a seamless, responsive user experience across devices.

Technical Skills

Languages: Java, Javascript, C, Python, HTML/CSS, SQL
Developer Tools: VS Code, Eclipse, Google Colab
Web Technologies: React.js, Node.js, Express.js, Next.js, TailwindCSS, Shadcn, GitHub

Relevant Coursework

- Data Structure
- Algorithms Analysis
- Software Engineering
- Database Management
- Operating Systems
- Software Methodology
- Version Controls
- Web Development

Achievements

- Consistently ranked as the **top performer** in my branch maintaining a position of academic excellence throughout my undergraduate studies.
- Achieved the 1st runner-up position in the inter-college hackathon **'FusionByte-QHack24'**, a rigorous event showcasing innovation and abilities to solve problems.
- Led a team of 13 members in organizing the college fest, managing logistics, coordinating events, and ensuring smooth execution.