NILANSH KUMAR

Roorkee, Uttarakhand

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EDUCATION

B. Tech in Computer Science and Engineering   Sep 2021 - June 2025

COER University, Roorkee   CGPA: 7.1 / 10

INTERNSHIP EXPERIENCE

Infosys Springboard ⬈   Oct - Dec 2024

- Developed an end-to-end system for OCR-based analysis of financial documents, enabling seamless automation from image input to business insights.
- Integrated **Llama-OCR** to extract text from scanned financial document images, followed by custom parsing logic to extract key attribute fields with **95% accuracy**.
- Implemented advanced **image preprocessing techniques** (e.g., noise reduction, contrast adjustment, resizing) to enhance OCR accuracy and ensure high-quality data extraction from over **1,000 images**.
- Built an interactive **Gradio-based UI** to streamline document upload, processing, and visualization—reducing manual effort by **80%**.
- Visualized extracted data to uncover strategic financial insights, improving reporting workflows and enabling data-driven business decisions.

PROJECTS

Real-time code editor ⬈   May 2025

- Developed a real-time code editor using React.js, Node.js, and **WebSockets**, supporting **100+ concurrent** users with **multi-user syncing** and room creation/joining functionality for up to **10 clients.**
- Enhanced the editor with **syntax highlighting**, a customizable UI, and dark theme support, improving layout efficiency by **80%**.
- Implemented multi-user syncing with room-based collaboration for up to **10 clients** per room.

Leetcode Statistics Dashboard ⬈   Apr 2024

- Developed a full-stack application using **React.js** and **Express.js** to fetch and display real-time LeetCode statistics, integrating with the **GraphQL** API to process **5+ key metrics**.
- Designed a responsive interface to show problem-solving stats across **3 difficulty levels** with 95% data accuracy and robust error handling.
- Leveraged **6 technologies**, including **React.js**, **Axios**, and **GraphQL**, improving user engagement by 80%.

SKILLS

- **Programming Languages:** Java, Python, JavaScript, SQL.
- **Databases:** MySQL, MongoDB.
- **Frameworks & Development Tools:** HTML, CSS, React.js, Express.js, Node.js, Git, GitHub, VS Code.
- **Libraries:** Pandas, Numpy, Matplotlib, Scikit-Learn, Gradio.
- **Soft Skills:** Communication, Teamwork, Problem-Solving, Attention to Detail, Adaptability.

CERTIFICATIONS AND ACHIVEMENTS

- AI Premier Certificate – Infosys Springboard
- Software Engineer Intern – Hackerrank
- Solved **300+** questions – LeetCode
- Certified in Problem Solving – HackerRank (Top 10% globally)
- Certified for Software Engineer Role – HackerRank

EXTRACURRICULAR

- Innovation and Incubation centre member – College of Engineering Roorkee
- Participated in Smart India Hackathon – College of Engineering Roorkee