KHUSHI VERMA

Software Development

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EXPERIENCE

Intern Trainee
Jindal Steel and Power Limited

📅 May 2024 – July 2024   📍 Angul, Odisha

- Analyzed high-volume control room datasets and interpreted complex system flow diagrams to identify inefficiencies and potential automation opportunities in fluid treatment processes.
- Conducted process optimization via centrifugation at 3500 rpm, improving grade efficiency, reducing processing time, and tuning parameters like coagulant concentration and separation stages.
- Achieved 85.7% reduction in oil and grease levels (from 471 ppm to 62.5 ppm), enhancing scrubber performance and minimizing heat exchanger fouling.

Co-Convener
COMET | Mechanical Engineering Society, IIT BHU

📅 July 2024   📍 IIT BHU, Varanasi

- Co-led COMET, the flagship fest of the Mechanical Engineering Society, coordinating with 200+ members to enhance student, faculty, and alumni engagement.
- Organized impactful events, fostering collaboration and engagement among 100+ new students while strengthening department interactions.

Solutions Engineer
FICO

📅 July 2025 Onwards   📍 Bangalore, Karnataka

- Upcoming Solutions Engineer at FICO, focused on developing and optimizing cloud-based applications while collaborating with teams to improve scalability, integration, and performance in enterprise solutions.

PROJECTS

Apni Dukaan – E-commerce Web Application

📅 ReactJS, Firebase, Material-UI, CSS   May 2023

- Built a scalable full-stack e-commerce web application with dynamic product browsing, cart management, and checkout functionality using ReactJS, Firebase, and Firestore database.
- Integrated secure Google authentication via Firebase for user login, session handling, and personalized experience with persistent user data.
- Designed a responsive, intuitive user interface with Material-UI, ensuring seamless cross-device experience.

News Web Application

📅 ReactJS, Redux, API Integration   Dec 2023

- Developed a responsive full-stack news platform delivering real-time headlines, category-wise articles, sentiment analysis, and community discussions with voting features.
- Built frontend using ReactJS with reusable components and backend using Node.js, Express, Mongoose, and MongoDB Atlas; integrated News API to fetch real-time global news data.
- Engineered a personalized recommendation system using user preferences stored in MongoDB, featuring JWT authentication, dashboard sharing, public comments, and visual sentiment charts.

ABOUT ME

Aspiring Solutions Engineer with a strong foundation in software development, cloud applications, and full-stack development. Skilled in object-oriented programming, database management, and system optimization. Passionate about problem-solving, innovation, and building scalable solutions through cross-functional collaboration.

EDUCATION

B.Tech in Mechanical Engineering

📅 IIT BHU, Varanasi   Dec 2021 – May 2025

🏆 **CGPA: 8.85/10**

Senior Secondary

📅 CBSE, RLB   April 2020 – April 2021

🏆 **Percentage: 96.8%**

ACHIEVEMENTS

🏆 **Strong Problem-Solving Skills**
Solved over 800 coding problems across platforms including LeetCode, GeeksforGeeks, and Coding Ninjas, demonstrating analytical thinking and algorithmic proficiency.

💗 **Top Performing Intern – JSPL Coke Oven Dept.**
Recognized as the best-performing intern in the Coke Oven Department at Jindal Steel & Power Ltd. for consistent performance, dedication, and learning agility.

📈 **National-Level Taekwondo Champion**
Won 3 consecutive Gold Medals in Taekwondo Sparring at recognized national-level tournaments, showcasing discipline, strategic focus, and competitive excellence.

TECHNICAL SUMMARY

Programming Languages: C, C++, Python, JavaScript, SQL
Web Technologies: HTML5, CSS3, ReactJS, Bootstrap, Tailwind CSS
Tools & Platforms: Git & GitHub, Firebase, MongoDB, Node.js, Express.js
Core CS Concepts: Data Structures and Algorithms, Object-Oriented Programming, REST APIs
Areas of Interest: Problem Solving, Full-Stack Web Development, Frontend Engineering, Software Development