

# SHIKHAR SINGH

📍 Patna, Bihar, India    📞 +91 7070700515    ✉ singhskr1007@gmail.com    🔗 LinkedIn    </> LeetCode    📁 GitHub

## SUMMARY

Aspiring Software Developer with strong skills in data structures and algorithms, and full-stack project experience.

## EDUCATION

**Vellore Institute of Technology, Vellore** Sep 2022 - Jul 2026  
*B.Tech., Computer Science and Engineering* CGPA: 9.08

**Delhi Public School, Patna**  
*Senior Secondary (Class XII - CBSE), 2022* Percentage: 86.8%  
*Secondary School (Class X - CBSE), 2020* Percentage: 89.4%

## WORK EXPERIENCE

• **Urjavidhi Private Limited** [Certificate] Jun 2025 - Jul 2025  
*Backend Developer Intern* Remote

- Implemented and deployed RESTful **APIs** using **Node.js** and **Express**, to enable efficient backend communication with smart meters via **HTTP GET/POST** requests.
- Contributed to developing a modular backend that supports both **Modbus RTU** and proprietary protocols for Elmeasure smart meter integration.
- Integrated **MySQL** for persistent command logging and configured an **MQTT** broker for real-time message publishing and subscribing.
- **Tech Stack:** Node.js, Express, MySQL, MQTT

## PROJECTS

• **Expenzo - Expense Tracker App** [Live Demo] [GitHub] Jun 2025

- Engineered a full-stack expense tracker with **JWT** authentication, **CRUD** routes, and **MongoDB** storage to securely manage user data.
- Developed and integrated RESTful **APIs** using **Node.js** and **Express** to manage user income and expense data efficiently.
- Enhanced the responsiveness and usability of the frontend using **React** and **Tailwind CSS**, ensuring consistent layout and smooth functionality across mobile, tablet, and desktop platforms.
- **Tech Stack:** React, Node.js, Express, MongoDB, Tailwind CSS

• **Weather Fetching App** [Live Demo] [GitHub] Jun 2024

- Designed a responsive weather dashboard leveraging the **OpenWeatherMap API** to deliver real-time weather updates, featuring dynamically adaptive icons based on current weather conditions.
- Refined interactivity by dynamically updating the **UI** based on search input, enabling smooth and responsive user interaction across devices with real-time weather data.
- **Tech Stack:** HTML, CSS, JavaScript

## TECHNICAL SKILLS

**Languages:** C++, JavaScript

**Web Development:** HTML, CSS, React, Tailwind CSS, Node.js, Express

**Databases & Tools:** MongoDB, MySQL, GitHub, Postman

**CS Fundamentals:** Data Structures and Algorithms, Operating Systems, Object-Oriented Programming, DBMS

**Soft Skills:** Communication, Problem Solving

## CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional Certificate
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate Certificate