

# SHIKHAR SINGH

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## SUMMARY

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

## EDUCATION

### Vellore Institute of Technology, Vellore

B.Tech, Computer Science and Engineering

Sep 2022 - Jul 2026

CGPA: 9.08

### Delhi Public School, Patna

Senior Secondary (Class XII - CBSE), 2022

Secondary School (Class X - CBSE), 2020

Percentage: 86.8%

Percentage: 89.4%

## WORK EXPERIENCE

### Urjavidhi Private Limited [Certificate] Backend Developer Intern

Jun 2025 - Jul 2025

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