Sumit Kumar Sah

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EDUCATION

National Institute of Technology, Warangal **Aug 2025-2029**
Bachelor in Computer Science & Engineering *CGPA 8.21/10.0*
SOS Hermann Geminer Secondary School **June 2022-2024**
Higher Secondary Education (Class XII) *GPA 3.77/4.0*

PROJECTS

Find Stay | *Node.js, Express, MongoDB, EJS, Passport.js, Cloudinary* **| Live Demo**

- Built a full-stack Airbnb-style listing platform using Node.js, Express, and MongoDB with server-side rendering via EJS templates
- Implemented secure user authentication and session management using Passport.js, enabling login, signup, and
- Integrated Cloudinary for image upload and storage, allowing hosts to add property photos to listings
- Developed category-based filtering and search functionality to help users browse listings by property type
- Added map/location integration to display property locations, improving listing discoverability and user experience
- Designed a RESTful backend architecture (MVC pattern) with CRUD operations for property listings and reviews
- Deployed the application on Render, making it publicly accessible end-to-end

Weather App | *React, OpenLayers, OpenWeatherMap API, JavaScript* **| Live Demo**

- Built a responsive weather application using React, integrating the OpenWeatherMap API to fetch real-time weather data
- Implemented an interactive map using OpenLayers, allowing users to click on any location to view weather details, with coordinate projection handling between map and geographic coordinate systems
- Added city-name search functionality to let users look up weather for any location globally
- Integrated browser geolocation API to automatically detect and display weather for the user's current location
- Managed component state and side effects using React hooks (useState, useEffect), handling asynchronous API calls and map lifecycle events efficiently
- Deployed the application on Vercel with a CI/CD pipeline for continuous updates.

TECHNICAL SKILLS

- **Languages:** C++, Javascript
- **Frontend:** React.js, Bootstrap, OpenLayers (map integration)
- **Backend:** Node.js, Express.js, RESTful APIs, MVC Architecture
- **Database:** MongoDB, Mongoose
- **Core CS:** Data Structures & Algorithms
- **Tools:** Git, GitHub, Postman

ACADEMIC ACHIEVEMENTS

- Among top 20 National champions in Nepal Physics Olympiad 2024-25 (NePhO)
- Merit Based scholarship by Indian Government to pursue B-tech at Nit Warangal
- Problem Solving: Demonstrated strong algorithmic and data structure proficiency by solving 600 + problems across LeetCode (1475 rating), CodeChef (1-star, 1375), and Codeforces (993), ranking 2024th globally in CodeChef Starters 245.