

VISHAL RAJ

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EDUCATION

National Institute of Technology, Andhra Pradesh

Bachelor of Technology, Electronics & Communication Engineering

2022 – 2026

CGPA: 8.56

A.N. College, Patna, Bihar

Intermediate, Bihar School Examination Board

2020 – 2022

Percentage: 85.6

EXPERIENCE

Indian Institute of Technology, Bhubaneswar | Winter Intern

DEC 2024 – JAN 2025

- Completed a remote internship on a Microsoft-supported project under the Academic Partnership Grant 2024, focused on personalized travel planning using Geospatial Data and Large Language Models (LLMs). [\(Certificate\)](#)
- Processed and cleaned **5,000+ travel records**, improved annotation accuracy, and structured datasets for intelligent itinerary generation.
- Designed and fine-tuned LLM prompts to generate personalized travel itineraries from natural language inputs, improving itinerary relevance by 30%.

PROJECTS

Car Marketplace Platform | Next.js, React, Supabase, Clerk, Vercel, ShadCn UI

MAY 2025 – JUN 2025

- Engineered and deployed a full-stack car marketplace with **15+ features**, enabling users to search, filter, and view **100+ car listings** with a real-time **EMI loan calculator** (zero down payment). [\(Visit\)](#)
- Developed test drive booking and cancellation workflows, dealership working hours, and a dashboard with **live booking updates** (pending, confirmed, completed, cancelled).
- Created reusable UI components with ShadCn UI and Lucide React; implemented responsive UX and deployed the app on **Vercel** with seamless cross-device compatibility.

Realtime Responsive ChatApp | React, Socket.IO, Express.js, Node.js, MongoDB

MATCH 2025 – MAY 2025

- Built a real-time chat application supporting 1:1 and group messaging, including text, image, and file sharing using **Socket.IO** and **Express.js**. [\(Visit\)](#)
- Designed and deployed a fully responsive and accessible UI using **React** and **shadcn/ui**, ensures seamless user experience across devices.
- Implemented secure **JWT-based authentication** and real-time online status with **MongoDB**, delivering consistent performance with **<150ms** message latency.

BookStore App | MongoDB, React.js, Tailwind CSS, Express.js, Node.js

JAN 2025 - FEB 2025

- Developed an online platform featuring **250+** books across 15+ genres, improving access to digital reading. [\(Visit\)](#)
- Built a fully functional and responsive UI using React.js and Tailwind CSS, enhancing user experience and accessibility.
- Integrated Express.js and Node.js for efficient backend operations, secure authentication, and seamless book management.

Portfolio Website | MongoDB, Express.js, React.js, Node.js

DEC 2024 - JAN 2025

- Showcased projects, skills, and experience, attracting 50+ monthly visitors. [\(Visit\)](#)
- Implemented a responsive UI using React.js, dynamically fetching content from MongoDB.
- Developed a robust backend with Express.js and Node.js to securely handle user inquiries and feedback.

SKILLS

Languages

C++, Python, Java, SQL, JavaScript

Developer Tools

Git, GitHub, Eclipse, VS Code, Tailwind CSS, Numpy, Pandas, MySQL, MongoDB

Frameworks & Libraries

React.js, Node.js, Express.js, Socket.io, TensorFlow, Keras

Coursework

Data Structures & Algorithms, Data Base Management System ([NPTEL Course](#)), Computer Networks, Object-Oriented Programming, Machine Learning, Embedded Systems

Soft Skills

Problem Solving, Teamwork, Clear Communication, Innovative Approach

Areas of Interest

Software Development, Embedded Systems

ACHIEVEMENTS / CERTIFICATIONS

Certified in NVIDIA DLI Program – [NVIDIA Deep Learning Institute](#)

- * Successfully completed the course "Fundamentals of Deep Learning for Computer Vision," focusing on image classification and convolutional neural networks.

Participated in [Smart India Hackathon 2024](#)

- * Created a scalable web-based application to solve real-world challenges, selected from 2,500+ teams nationwide.
- * Led a 6-member team to develop a prototype, achieving a 95% completion rate.

Competitive Programmer – [Leetcode](#) and CodeStudio

- * Solved 250+ Data Structures and Algorithms (DSA) problems across 10+ topics, including Graph Theory, Dynamic Programming, and Greedy Algorithms.