VISHAL RAJ

+919142528179 ⋄ India

⋄ vishalraj857808@gmail.com ⋄ [LinkedIn](#) ⋄ [GitHub](#) ⋄ [Portfolio](#)

EDUCATION

- **National Institute of Technology, Andhra Pradesh** — 2022 - 2026
  B.Tech, Electronics and Communication Engineering — CGPA: 8.66

- **A.N. College, Patna, Bihar** — 2020 - 2022
  12th, Bihar School Examination Board — Percentage: 85.6

EXPERIENCE

Winter Intern - IIT Bhubaneswar — Dec 2024 - Jan 2025
NLP Project on Travel Recommendations using LLMs — *Bhubaneswar, India*

- **Collaborated with Microsoft on an NLP project,** Focused on developing a travel recommendation system using Large Language Models (LLMs), improving recommendation accuracy by 20%.
- **Conducted data preprocessing and model training,** Incorporated datasets of over 10,000 travel-related queries, improving system response time by 15%.

PROJECTS

BookStore App — [GitHub](#)

- Developed an online platform to browse and read 1000+ books across various 15+ genres. Jan 2025 – Feb 2025
- Built with React.js, TailWind CSS, Express.js, Node.js offering a user-friendly interface.

Healthcare Chatbot — Jan 2024 – April 2024

- Developed an AI-driven chatbot for healthcare queries with 90%+ accuracy and fast response times.
- Integrated TensorFlow, Keras, and NLP techniques for real-time, intelligent conversations.

Amazon Clone — [GitHub](#)

- Engineered a fully functional e-commerce platform resembling Amazon with 50+ product listings. Dec 2023
- Built with React.js (frontend) and integrated Firebase for a secure backend and real-time database management.

SKILLS

- **Languages:** C++, Java, Python, SQL.
- **Developer Tools:** HTML, CSS, JavaScript, Git, GitHub, Eclipse, Numpy, Pandas.
- **Frameworks and Libraries:** React.js, Node.js, Express.js.
- **Course Work:** DBMS ([NPTEL Course](#)), OOPS, Data Structure and Algorithm, Machine Learning(LLMs).
- **Soft Skills:** Creativity, Problem-Solving, Communication, Teamwork, Time Management.
- **Areas of Interest:** Software Development, Embedded Systems.

ACHIEVEMENTS / CERTIFICATIONS

Participation in [Smart India Hackathon](#)

- Designed a practical application to address real-world challenges for a national-level competition.

Competitive Programmer - [Leetcode](#) and CodeStudio

- Solved 200+ Data Structures and Algorithms (DSA) problems efficiently using C++ programming.