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Education

Visvesvaraya National Institute of Technology

December 2021 – May 2025

Bachelor of Technology (BTech)

Nagpur, India

Projects

Construction Management Web App (BTech Project) [Github Link](#) [Live Link](#)

- Developed a construction management app to virtually monitor a construction site and civil engineering projects, improving efficiency and reducing time
- Led the transition to **RESTful APIs** supporting **CRUD** functionalities; authorization as per hierarchal order and live status and progress tracking by cloudinary(cloud) image storage
- **Tech Stack & Libraries:** Bootstrap, Javascript, Express.js, Node.js, MongoDB, Mongoose, JWT, Cloudinary, JSON

Playgrounds Web App [Github Link](#) [Live Link](#)

- Built an app that connects people to nearby playgrounds, resulting in a 20% increase in community engagement events and physical outdoor activities
- Led the transition to **RESTful APIs** supporting **CRUD** functionalities; improved data accessibility for playground information
- **Tech Stack & Libraries:** Bootstrap, Javascript, Express.js, Node.js, MongoDB, Mongoose

Chatbot Application [Github Link](#) [Live Link](#)

- Designed a **GEN AI** chatbot to extract useful information from documents and PDFs, using **LLMs** like **LangChain** and **OPEN AI & Open Source** APIs with streamlit command
- Added a function of uploading '.csv' files and extracting data from huge datasets, using **Google GEN AI** and panda agents
- Used **RAG pipelines** and **Vector DB** for chat storage and context interpretation. Tried open-source and local models like FAISS, Chroma DB and **Huggingface**
- **Tech Stack & Libraries:** Python, GROQ APIs, Langchain, Ollama, Google GEN AI

Technical Skills

Skills/Tech : Front End Development, Full Stack Development, Data Structures and Algorithms, Programming, Gen AI, REST APIs, Flask APIs

Languages : Python, C++, SQL, JavaScript

Framework/Libraries/Environments : Node.js, Express.js, LangChain

Core CS & Databases : OOPS, DBMS, NoSQL

Tools : VS Code, PostgreSQL, GitHub, Postman, Git, Docker

Soft Skills : Blog (Content) Writing, Team Spirit and Coordination

Leadership / Extracurricular

- Mentored and monitored the selection of gaming team and competed in esports and gaming community at college level
- Gained experience as a participant of the college programming club by attending weekly workshops and meetings
- Competed in many Development and Analytics based Hackathons, both individually and as a team with 40k+ competitors of companies like Adobe, Flipkart and TVS

Coding Profiles & Achievements

Codechef - 3 star rating, highest rating - 1635 (Global rank 540 in Starters 160 Div3 ,Global rank 336 in Starters 141)

Leetcode - 3 star ratings, 500+ problems, highest rating 1715 (Top 11% globally)

GeeksforGeeks - Attained a notable institute rank of top 100 with a total score of 1100+ points

Got a rank of 7730 in **Meta Hacker Cup** in round 1

Achieved a global rank of 2288 in **TCS Codevita Season 12** with a pre-placement offer offered

NTSE - Achieved near qualification score of 142/200 in Stage 1 among 2lakh students at school level