



Balraj Singh

Roll No.: 22CEB0B08

Civil Engineering

B.Tech

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EDUCATION

- NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL** 2022-2026
Civil Engineering, B.Tech
- NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL** 2022-2026
Electronics and Communication Engineering, Minor
- NATION HIGHER SECONDARY SCHOOL** 2020-2021
Intermediate, Madhya Pradesh Board of Secondary Education, Madhya Pradesh
Percentage: 89.4
- VANDANA CONVENT SCHOOL** 2018-2019
Matriculation, Central Board of Secondary Education, New Delhi
Percentage: 89.8

PERSONAL PROJECTS

- JOB-PORTAL WEB APPLICATION** [Project Link](#)
Full-Stack Developer / MERN Stack
 - Designed scalable Node.js/Express APIs with modular MVC structure and MongoDB integration.
 - Implemented resume/image uploads with Multer and Cloudinary, securing data via .env configs.
 - Developed role-based dashboards using React (Vite), Redux Toolkit, and React Router with JWT-based auth.
- AI-POWERED LEGAL INFORMATION RETRIEVAL SYSTEM** [Project Link](#)
Privacy-Preserving RAG Pipeline with LangChain, FAISS, and Local LLM Deployment
 - Developed a legal chatbot using Retrieval-Augmented Generation (RAG) with LangChain, FAISS, and a locally hosted transformer via Ollama.
 - Engineered a secure, privacy-preserving pipeline for semantic retrieval and context-aware legal question answering.
 - Integrated self-correcting evaluation and optimized query relevance for legal documents like case law and statutes.
- OLYMPICS DATABASE MANAGEMENT SYSTEM** [Project Link](#)
Database Management System to store information about Olympic Games.
 - Prepared the ER Model, set up relational dependencies and normalized the database to minimize redundancy.
 - Helps improve organization and historical data tracking of Olympics events.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, HTML, CSS, JavaScript.

Developer Tools: Postman, VS Code, PowerBI, MS Excel, Git & GitHub.

Frameworks: React, Node.js & Express.js, Redux Toolkit, LangChain.

Cloud/Databases: MySQL, MongoDB, Cloudinary.

Coursework: Data Structures & Algorithms, DBMS, OOPs, Operating System.

Soft Skills: Leadership | Teamwork | Public Speaking | Adaptability | Time Management.

POSITIONS OF RESPONSIBILITY

- GENERAL SECRETARY, LITERARY AND DEBATING CLUB, NITW** Dec 2023 - Present
 - Supervised event conduction and managed all areas of events from pre-planning to the post event activities.
- MAINTENANCE SECRETARY, GANDHI HALL OF RESIDENCE, Block - 5** Aug 2023 - May 2024
 - Ensured timely resolution of infrastructure issues including plumbing, electrical, and structural concerns.
- CORE TECHNICAL MEMBER, AIINIT - Volleyball, Handball & Yoga** Feb 2025
 - Managed technical operations and cross-functional support for a 3-day sports event with 56 Teams nationwide.
- EXECUTIVE MEMBER, NATIONAL SERVICE SCHEME (NSS), NITW** Sep 2023 - May 2024
 - Led the design team for Nirvana magazine and organized Women's Week under NSS.

ACHIEVEMENTS

- Solved over 500+ DSA questions & earned a total of 10 badges on **Leetcode**.
- Among Top 1% rank in **Juspay Hiring Challenge 2025**. Aug 2025
- Participated in 64th National School Games in Football competition, held at Chattisgarh, India. Dec 2018