PRAKHAR JAISWAL

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# Education

**B.Tech in Computer Science and Engineering: CGPA: 8.20** 2022-2026 (Expected)

*Vellore Institute of Technology, Bhopal*

**DAV Public School, Jamshedpur — 12th (CBSE): Percentage: 72%** 2019

**Jusco School South Park, Jamshedpur — 10th (CBSE): Percentage: 85%** 2018

# Skills

Proficient in **Java**, **JavaScript**, **SQL** (**MySQL**, **PostgreSQL**), and **MongoDB**, with hands-on experience in frameworks such as **React**, **Next**, **Mongoose**, and **Express**, and familiar with tools including **GitHub**, **Postman**, and **Visual Studio**, working across both **Windows** and **Ubuntu** platforms. Additionally, proficient in **Python** and its libraries, including **Tkinter**, **OpenCV**, and **Django**.

# Projects

**Hospital Management System Project — Tech Stack: ASP.NET , SSMS , React** Oct 2024 – Dec 2024

∗ Worked in a **4-member team** to design, develop, and deploy a cloud based web application on AWS.

∗ Developed backend using **ASP.NET** in Visual Studio for secure access and data handling

∗ Used **SQL Server databases (SSMS)** to ensure data integrity and high-speed access

∗ Integrated **React**-based frontend with efficient API endpoints for smooth interactions

**MAYA - AI Chatbot — Tech Stack : Flask , Imaging Toolkit in Python , OpenAI API , MySQL** March 2024 – May 2024

∗ Implemented OCR capabilities using **PyTesseract and OpenCV** to extract text from images.

∗ Developed a voice interaction module by locally training **OpenAI API** for speech.

∗ Integrated AI-powered backend with **Flask** ensuring reliable and optimized real-time performance.

∗ Enabled context-aware conversations with saved history stored in **MySQL** for seamless interactions.

**Last Outfit - E-commerce Website — Tech Stack: MongoDB, Express, React, Node.js** August 2023 – Nov 2023

∗ Implemented secure authentication and role control using **Express** sessions for robust access.

∗ Used **MongoDB** to enable fast, flexible storage and retrieval of product/order data.

∗ Utilized **Node.js and Express** for rapid backend development and efficient API management.

∗ Built dynamic single-page applications with **React**, ensuring responsive design and engagement.

# Professional Experience

**Tata Steel — Vocational Trainee: 12 Weeks** Jamshedpur, Jharkhand, India

∗ Developed Hospital Management System and collaborated team of 4 members.

∗ Developed proficiency in professional collaboration and fulfilling business requirements.

*Oct 2024 – Dec 2024*

∗ Gained comprehensive understanding of the ideation to product deployment process at the industry level.

# Certificates

* Full-Stack Development (Udemy), IBM DevOps, Linux for Developers (Coursera), AI for Beginners (HP-Life), Amazon Educate Badges (Getting Started with Security, Storage, Database and Machine Learning Foundations)

# Co-Curricular

* Held the position of Tech Lead at the Matrix Club, VIT Bhopal University from June 2024 to July 2025.
* Participated in Hackathons and several debate competitions during academic tenure.
* Reading Books and Exploring on subjects like History and Geo-politics