

Prakhar Jain

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Professional Summary

Product-oriented Computer Science undergraduate with hands-on experience in **owning end-to-end project execution**, building **user-focused solutions**, and creating **data-driven dashboards and AI-based applications**. Skilled in **understanding user needs, translating requirements into clear features, and communicating insights to non-technical stakeholders**. Known for **taking responsibility, clear communication, structured thinking, and execution-focused mindset**, with a strong interest in ed-tech and product analytics.

Education

Vellore Institute of Technology, Bhopal
B.Tech in Computer Science and Engineering,

October 2022 - July 2026
CGPA: **8.86/10**

Key Skills

- **Business Skills:** CRM, SaaS, Presentation & Demo Preparation, Documentation & Reporting, Requirement Understanding & Solution Mapping
- **Technical skills:** Python, C++, MySQL, AWS Cloud
- **Tools Platforms:** Excel, Canva (UI/UX), Figma, Adobe Express, Power Bi, Power Point .
- **Softskills:** Stakeholder Communication, Problem Understanding & Requirement Gathering, Structured Thinking, Decision Support & Insights.
- **Languages:** Hindi (Native), English (Proficient)

Projects

Accident Detection Using Yolo | [GitHub](#)

- Developed a real-time accident detection system leveraging YOLO-based deep learning architecture to identify vehicular accidents in surveillance footage.
- Conducted field-level discussions with traffic police and local authorities to understand high-risk accident zones, peak accident timings, and response challenges.
- Conducted extensive performance evaluation using real-world datasets, achieving high accuracy with low false positive/negative rates and the model accuracy is approx. 90 percent.

Mental Health Support Chatbot | [GitHub](#)

- Created a web-based AI chatbot capable of providing empathetic mental health support and real-time responses through human-like conversations.
- Interacted with doctors, counselors, and patients to understand common mental health concerns, support gaps, and expectations from digital support tools.
- Gathered user insights on emotional needs, response tone, and accessibility to shape a more empathetic and user-friendly support experience.

Weather Prediction & Air Quality Analytics Dashboard | [GitHub](#)

- Power BI, Excel / CSV Data Sources, DAX (for calculated measures), Data Cleaning & Transformation, Data Visualization & Analytics.
- Designed an interactive Power BI dashboard to visualize real-time and forecasted weather data including temperature, humidity, wind speed, visibility, and pressure.
- Focused on business-friendly data storytelling, enabling non-technical users to interpret complex environmental data easily.

Extracurricular Activities

- **BitByBit club [VIT Bhopal University]:** Participated in coding challenges and problem-solving sessions, improving structured thinking and teamwork.
- **Microsoft club[VIT Bhopal University]:** Participated in problem-solving sessions, strengthening structured thinking, collaboration, and clear explanation of ideas.
- Known for **clear communication, ownership of tasks, reliability in execution, and ability to explain complex ideas in simple terms**. Presentation and explanation skills and Team collaboration and leadership mindset

Certifications

- Data Science and Machine Learning with Python – Finlatics (Training Certification) Oct 24 - Jan 25