Prakhar Jain

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Education Vellore Institute of Technology, Bhopal.,   Aug 2022 – Jun 2026

Bachelor of Technology in Computer Science and Technology.

- GPA: 8.60/10.0
- **Relevant Coursework:** Data Structures, Algorithms, Operating Systems, Computer Networks, Database Management Systems.

Project Accident Detection Using Yolo

- Developed a real-time accident detection system utilizing computer vision and deep learning to identify traffic accidents in video streams or images. Collaborated with developers and product management team to assess project outcomes and prioritize future app features. Achieved high accuracy in detecting accidents with minimal false positive & negative.
- Technologies Used: Python, OpenCV, YOLO (You Only Look Once), TensorFlow/PyTorch, Numpy, Matplotlib.

Project Colo Mobile Application

- Tech Stack: Flutter/React Native/Android Studio, Firebase for real-time database, Cloud Storage, REST APIs, Authentication services, Python
- Developed a comprehensive app to help students manage academic activities, share notes, and collaborate on study materials, enhancing their college experience. Designed a user-friendly interface for students to upload, download, and organize class notes, textbooks, and study materials. Optimized large file uploads and downloads with minimal latency using cloud storage.

Skills

Data Structures Algorithms (DSA): Proficient in problem-solving using various data structures and algorithms.

Programming Languages: HTML,CSS,Javascript,Java, C++,Python

Frameworks & Libraries: Next.js, React, TensorFlow, Numpy,

Databases: SQL.

Tools Platforms: Excel, Visual Studio Code, Canva, Jupyter, Anaconda.

Languages: Fluent in Hindi, English

Certifications and Achievements

Certifications:

- The Bits and Bytes of Computer Networking (Coursera, Dec 2023)
- Python Essentials (Vityarthi)
- Python Programming (Kaggle)
- Cloud Computing (NPTEL)
- Machine Learning (Finlatics)
- Data Science (Finlatics)
- MATLAB (Matlab)

Achievements and Extracurricular Activites:

- **BitByBit club [VIT Bhopal University]:** Participated in regular coding challenges and competitive programming contests to improve problem-solving skills. languages such as Python, C++, and Java.
- **Microsoft club[VIT Bhopal University]:** Contributed to planning and organizing technical workshops, coding bootcamps, and tech talks on Microsoft technologies.
- Awarded "Best Volunteer" in the Microsoft Club for exceptional contributions to events, workshops, and community engagement initiatives.