

ADITYA VERMA

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SUMMARY

Enthusiastic Computer Science Engineering student passionate about technology, innovation, and problem-solving. Equipped with a strong technical background and a creative approach to challenges. Committed to delivering impactful solutions in dynamic environments while constantly pushing the boundaries of what's possible through continuous learning and collaboration.

TECHNICAL SKILLS

C, C++, Python | SQL, DBMS, Power BI | Scikit-learn, Pandas, NumPy, Matplotlib | Git, GitHub | HTML, CSS | OS | CN

WORK EXPERIENCE

Prompt Engineer

Aug 2024 - Feb 2025

Green Rider Technology LLP

Platform: *Outlier*

- Designed, optimized, and evaluated AI prompts and responses across multiple projects under the **Gemini** and **Meta** umbrellas.
- Handled tasks like content generation, data annotation, and model fine-tuning.
- Ensured prompt quality, relevance, and provided detailed feedback to **improve AI performance**.

Machine Learning Intern

Jun 2023 - Jul 2023

Department of Computer Science, Medi-Caps University - On-Campus

- Completed 4-week training on Statistics with Machine Learning, covering **EDA, hypothesis testing, regression, and classification**.
- Built ML models using **Python, pandas, NumPy, scikit-learn**, focused on data preprocessing and performance evaluation.
- Applied statistical techniques to real-world datasets for data-driven insights.

EDUCATION

B.TECH - COMPUTER SCIENCE & BUSINESS SYSTEMS

Aug 2020 - May 2024

MEDI-CAPS University, Indore

CGPA: **8.8/10**

PROJECTS

NebulaDB - Lightweight, Secure Embedded Database Engine

- Designed and developed a high-performance modular database engine in **C++** with **SQL-like** querying and a menu-driven CLI, executing **90%+** operations in under **5ms**.
- Implemented **AES-based encryption and SHA-256 hashing** to secure user data, with persistent **JSON-backed** storage ensuring full data durability across sessions.
- Built an extensible **OOP** architecture supporting user authentication, record operations, and future unit testing integration; achieved **30%** lower memory usage over naive designs.

SparshVaani - Sign Language to Speech Converter

- Designed and implemented a deep learning-based system using **TensorFlow, Keras, and OpenCV** to translate sign language gestures into real-time audible speech.
- Achieved over **92%** classification accuracy on a custom dataset comprising **26 ASL alphabets** and essential control symbols, enabling responsive and accurate communication.
- Optimized for real-world use with sub-second latency, a live video interface, and robust gesture detection powered by convolutional neural networks, aimed at empowering individuals with hearing and speech impairments.

Personal Portfolio Website

- Developed and deployed a visually captivating personal portfolio website leveraging **HTML, CSS, and JavaScript**. Effectively showcased skills, projects, and achievements, resulting in a **40%** increase in inbound client inquiries and securing 3 new contract opportunities.

POSITIONS OF RESPONSIBILITY

*DIRECTOR OF PUBLIC IMAGE : Rotaract Club Of Young Leaders

2021 - 2022

- Managed and enhanced the club's public image and brand.
- Spearheaded the development and implementation of a multi-channel communication plan, including social media, email marketing, and press releases.
- It results in a **30%** increase in community awareness and a **20%** boost in event attendance.

*MEMBER : STIC (Student Technical and Innovation Club)

2021