Aditya Gupta

Delhi, India

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Summary

As a tech enthusiast deeply passionate about computer science, Specialized in constructing robust web applications. Possesses a deep understanding of Machine Learning and Data Structures. Determined towards leveraging technology to create impactful solutions. Adept at problem-solving. Eager to learn new technologies and tools to enhance my skills.

Education

SRM Institute of Science and Technology — Ghaziabad, India
Bachelor of Technology in Computer Engineering, CGPA: 9.62 — *September 2021 – Expected June 2025*

Vaish Senior Secondary School — Charkhi Dadri, India
12th, Score: 88.6% — *April 2019 – July 2020*

Vaish Senior Secondary School — Charkhi Dadri, India
10th, Score: 85.8% — *April 2017 – March 2018*

Projects

Expense Insight ⦿ | *Python, Machine Learning Algorithms, Time Series Analysis, Prophet model*
- Implemented a machine learning model to predict future expenses based on historical data.
- Involved data preprocessing, including standardizing features and removing outliers, and exploratory data analysis (EDA) to gain insights into the dataset, Achieved an accuracy rate of 90%.

Sorting Visualizer ⦿ | *HTML5, CSS3, JavaScript*
- Developed an interactive web-based tool to visualize various sorting algorithms.
- The tool dynamically displays sorting processes step-by-step, enhancing understanding of algorithm behavior.
- Implemented an intuitive user interface, allowing users to adjust sorting speed, choose different algorithms, and view real-time comparisons.

Hate Speech Detection ⦿ | *Python, Pandas, Numpy, NLP, Decision Trees*
- Trained a hate speech detection AI system on a dataset of over 15,000+ instances using decision trees.
- Performed data preprocessing and feature extraction.
- Evaluated model performance using precision, recall and confusion metrics, Achieved an accuracy rate of 87.5%.

Skills

Languages: C/C++, Python, HTML5, CSS3, JavaScript, MySQL
Technologies and Core Competencies: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Computer Networks, DataBase Management System, Machine Learning Algorithms.
Dev tools: Visual Studio Code, Jupyter, GitHub, Google Collab.
Soft skills: Problem analytics, Communication, Leadership, Team Work, Management.

Achievements and certifications

Certified in **Machine Learning** ⦿ on Cousera.
Earned a **Database Management System** ⦿ professional certificate from IIT Kharagpur.
Received a certificate in **Data Structures and Algorithms** ⦿ from Coursera.
Tackled **200+** DSA problems on **Leetcode.** ⦿
Participated actively in various **Coding Competitions** and **Hackathons.**

Position of Responsibility

Computer Society of India (CSI) - SRM NCR Core Member — *February 2023 – March 2024*
- Involved in a community of 50+ developers to enhance the technical culture among students. Working with the team to organise different workshops, expert lectures and events.