Madhur Goel

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Profile Summary

Motivated Software Developer with a strong command of C++ and Python, specializing in Data Structures and Algorithms (DSA) and competitive programming. Proven expertise in solving complex problems efficiently, backed by extensive hands-on experience across software development, and implementing machine learning models.

Education

Ajay Kumar Garg Engineering College, Ghaziabad	2021 - 2025
B.Tech in Artificial Intelligence and Machine Learning (CGPA: 8.3)	*Ghaziabad, Uttar Pradesh*
Delhi Public School, Hapur	Intermediate Completed in May 2021
12th Class (Percentage: 92%)	*Hapur, Uttar Pradesh*

Experience

Data Analyst Intern — Binge & Bash   June 2024 - Current
- Streamlined data flow by restructuring data pipelines, reducing data latency and increasing accessibility for end-users, which ensured that relevant teams could access the information they needed quickly and efficiently.
- Utilized Power BI to create detailed visual reports, providing actionable insights for the marketing and sales teams, which helped in identifying trends, measuring campaign effectiveness, and planning future strategies.
- **Technologies used**:- Python, Power BI, Excel, Microsoft Azure, Mongo DB, Machine Learning

Artificial Intelligence Intern — Dwayo Technologies   Mar 2024 - May 2024
- Spearheaded the retraining of the Tesseract OCR model for the Marathi language, specializing in a novel font style, which improved text recognition accuracy and increased character confidence levels by 36% .
- **Technologies used**:- Python, Tesseract, Qt-box-Editor, Image Processing, Machine Learning

Technical Skills

Programming Languages: C++, C, Python
Web Technologies: HTML, CSS, JavaScript, React, Redux, Bootstrap, FastAPI, Web Scraping
Data Analysis: SQL, Power BI, MongoDB, Microsoft Azure, scikit-Learn, NLP
Computer concepts: Data Structures, Algorithms, Operating System, Object Oriented Programming, Database Management, Computer Networks, Machine Learning

Achievements and Certifications

- 🛡 **Knight** on Leetcode (**1880+ rating**). Leetcode Id: https://leetcode.com/madhurgoel88/
- **Ranked 1st** in college Coding Contest named Technival.
- Solved **915+ DSA problems** on various platforms.
- **3 star** ⭐ Rating on Codechef. Codechef Id: https://www.codechef.com/users/madhur9897

Projects

PUBG Game Winner Prediction Machine Learning Model │ ⓖ *LINK*
- Built out an ML model that predicts the Player Rank in a match analyzing various factors about the match and the player stats.
- The program uses the CatBoost Model that helps to increase the accuracy of prediction. Trained Model accuracy is 93% with root mean squared error of as low as 0.08.
- **Technologies used:** CatBoost ML Model, Python, Pandas, scikit-learn

Airlines Data Analysis Using SQL │ ⓖ *LINK*
- Built out a data-driven project focused on addressing profitability challenges within the airline industry, including navigating stricter environmental regulations, rising taxes, fuel costs, and labour expenses.
- Leveraged Python, SQL, and data visualization techniques to dissect extensive datasets, extracting valuable insights to enhance seat occupancy rates and average profit per seat, thus driving bottom-line improvements.
- **Technologies used:** SQL, Python, Numpy, Pandas, Seaborn