Alina Muskhan M I

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Personal Profile

I am a driven and results-oriented Computer Science Engineering graduate, having completed my degree requirements in May 2025, with hands-on experience in data analytics and machine learning. Proficient in algorithms, statistical modeling, and data visualization, with a growing focus on AI. Certified in UI/UX design, enabling me to build user-centric solutions. Currently training in full-stack development to broaden my technical expertise. Committed to continuous learning and solving real-world technological challenges.

Education

Meenakshi College Of Engineering
Chennai, TN, India

B.E in Computer Science and Engineering
2021 - 2025

- CGPA - 8.00
- **Courses:** Data Structures and Algorithms, Operating Systems, Database Management Systems, Machine Learning, Computer Networks, Software Engineering, Web Technologies, Cybersecurity, Cloud Computing, Neural Networks, Internet of Things (IoT), and Emerging AI Technologies.

Doveton Girls Higher Secondary School
Chennai, TN, India

High School
2021

- Completed the 12th standard with a strong academic record, achieving an overall percentage of 79.67.
- Built a strong base in PCM and Computer Science, which laid the groundwork for pursuing B.E. in Computer Science and Engineering.

Doveton Girls Higher Secondary School
Chennai, TN, India

SSLC
2019

- Completed the SSLC with a solid academic foundation, achieving an overall percentage of 68.66.
- Specialized in Mathematics, Science, English, Social Science, and Tamil, building a well-rounded academic foundation.

Projects

Electricity Bill Prediction
Chennai, Tamil Nadu

Meenakshi College Of Engineering
Nov 2021 - Dec 2021

- Collected and analyzed demand, supply, weather, and economic data to identify electricity pricing trends.
- Built predictive models using ARIMA and LSTM for time series forecasting.
- Applied preprocessing and feature engineering techniques to improve model accuracy.
- Delivered insights that improved energy consumption planning and promoted data-driven investment decisions.
- **Technical Skills:** Python, Pandas, NumPy, Scikit-learn, ARIMA, LSTM, Time Series Forecasting, Data Preprocessing.
- **Soft Skills:** Analytical Thinking, Problem-Solving, Time Management, Presentation Skills.

Fuel Consumption Prediction Using Simple and Multi-Linear Regression
Chennai, Tamil Nadu

Personal Project
Oct 2024

- Conducted exploratory data analysis to study the impact of variables like engine size, weight, etc., on fuel consumption.
- Implemented simple and multi-linear regression models to forecast fuel usage across vehicle types.
- Visualized model outputs and validated accuracy using performance metrics like R^2 and MSE.
- Optimized model by selecting relevant features to improve generalization and fuel efficiency prediction.

Technical Skills: Python, Pandas, NumPy, Seaborn, Scikit-learn, Data Preprocessing, Regression Analysis, Model Evaluation, Data Visualization.

- **Soft Skills:** Problem Solving, Analytical Thinking, Attention to Detail, Time Management.

Skills

Programming	Python (Pandas, NumPy, Matplotlib, Scikit-learn. etc.), Java, SQL(Data Base), HTML/CSS.
Miscellaneous	Visual Studio, Eclipse, EditPlus, Notepad, PowerBI, Excel and Adv. Excel, PowerPoint, Word, Github, Jupyter nootbook Adobe Illustrator/ Figma/Canva.
Soft Skills	Communication, Leadership, Presentation Skills,Time Management, Teamwork, Problem-solving, Engaging Presentation.

Interests

Strategic Gameplay	I enjoy immersive games on PlayStation and mobile that enhance my focus and quick thinking.
UI / UX Exploration	I explore design tools like Figma and Dribbble to learn about user behavior, accessibility, and intuitive interface.

Languages

English	Professional Proficiency
Tamil	Bilingual Proficiency
Hindi	Bilingual Proficiency
Urdu	Native Proficiency