

MOHAMED AFLAL F

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SUMMARY

I'm Mohamed Aflal, a passionate software engineer currently in my 4th year of a Bachelor's degree. I thrive on exploring new technologies, tackling complex problems, and continuously improving my skills to create impactful results. Seeking a challenging software engineering role focused on machine learning and data-driven solutions.

SKILLS

Technical Skills: Python (certified by Guvi, IBM, and Hackerrank), HTML, CSS, Basics of C, Youtube & Discord moderator.
Languages: Fluent in English, Tamil | Practicing German & Hindi.

PROJECTS & EXPERIENCE

CAR SAFETY ANALYZER

- Developed and tested a machine learning model to predict car safety based on various features using real-world data. Applied data preprocessing, feature engineering, and model evaluation techniques to enhance prediction accuracy and decision-making for vehicle safety analysis.
- This model can be used in real-life applications to assist manufacturers in designing safer vehicles and help consumers make informed decisions when purchasing cars.

TG - Cyber Labs

Machine Learning Intern

Chennai, Tamil Nadu

July 2023 – Oct 2023

- Developed an autoencoder model using PyTorch for image colorization, focusing on unsupervised learning to reconstruct grayscale images with minimal loss. Optimized the model with Adam optimizer, achieving improved image fidelity and showcasing skills in deep learning, computer vision, and model optimization.
- In real-world applications, this model can be adapted for tasks such as automatically censoring sensitive or inappropriate content, like detecting and obscuring censorable images in various media.

COGNORISE - INFOTECH

Machine Learning & Business Analytics

Chennai, Tamil Nadu

Dec 2023 – Jan 2024

- Built a predictive model using machine learning to forecast restaurant sales, utilizing time-series data and advanced regression techniques. Conducted feature engineering, hyperparameter tuning, and model evaluation to enhance forecasting accuracy and optimize business operations.
- This model can be applied in real-world scenarios to help restaurant managers make data-driven decisions on inventory, staffing, and promotions, ultimately improving operational efficiency and profitability.

MARTEX SOLUTIONS

Project Intern

Chennai, Tamil Nadu

April 2022 – Nov 2022

- Designed and developed an interactive Figma prototype for Sathyabama University, focusing on an intuitive user interface and seamless navigation. Collaborated on visual elements and usability to enhance user experience and engagement across the platform.
- This platform can be used in real-world scenarios to track student submissions, streamline the submission process, and improve overall administrative efficiency for both students and faculty.

EDUCATION

Sathyabama Institute of Science and Technology

Bachelor of Engineering

Computer Science Engineering with Specialization in Artificial Intelligence

Cumulative GPA: 7.95

Chennai, Tamil Nadu

Aug 2021 - May 2025

Sacred Heart Convent

Higher Secondary Education

Percentage: 82.3%

Villupuram, Tamil Nadu

Jul 2019 - Jul 2021