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Mohd Faisal

ML Engineer / Aspiring Data Scientist

Portfolio
github.com/philoma
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TECHNICAL EXPERIENCE

SDE - ML

Aug 2023 - Present

Think Future Technologies

Gurugram

- Optimized the translation system [Madlad400, NLLB200], achieving a **5% accuracy gain** for Perso-Arabic languages
- Developed an **AI exam proctoring system** to detect and enhance fraud detection [MMPOSE, YOLOv8] in Agile/Scrum envt
- Trained-tested AI models for **object-detection**, leveraging data tagging, SSH, Git/Github, Database, and Docker extensively
- Experienced in designing and implementing **architectural patterns** for large-scale software applications

Data Science Intern

Jul - Aug 2022

Two Waits Pvt. Ltd.

remote

- Developed tree-based models to identify the likelihood of a member to undergo medical tests for a US Health Insurance Organization
- Conducted data analysis and prototyping predictive models for weather forecasting, resulting in **6% improvement in accuracy** and more effective disaster preparedness strategies
- Led an in-depth analysis of sales data of a company, identifying key trends and patterns to optimize sales strategies

Machine Learning Intern

Sep - Oct 2021

YBI Foundation

remote

- Developed over 21 reports and dashboards resulting in a 12% increase in operational efficiency, statistical modeling, and model visualization using **Power BI**
- Integrating** ML models as per website needs, **interacting with database and API creation**, dedicating 25% of time
- Techspace: flask 2.0.1, PowerBi, Python libraries

NGO Head

Sep 2019 - Present

Slum Swaraj Foundation

Ghaziabad, U. P.

- Leading teams** of 100+ students and professionals to ensure quality education
- Taught students, organized events, and held education awareness programs for students in slums/poor sections of society

RESEARCH & RECENT PROJECTS

Automated Tool for Machine Learning | Flask, Python, HTML, CSS, Js, PowerBi

- Developed a web-based tool using **Flask** and PowerBi to automate data preprocessing, missing value imputation, visualization, and modeling

Driver's Drowsiness Detection System | Computer Vision, Deep Learning, Flask, Python

- An AI system to alert the driver of his consciousness
- Facial features detection and extracting features to estimate EAR and MAR

Academic Research | Image Processing (2022)

Apprenticeship

- Worked on Statical Analysis, Modeling, Image Processing, and **Computer Vision** with Dr. Sushil Kumar
- Research Paper** on Driver's Drowsiness Detection System
- Undertook health, psychological, and technical factors linked to the occurrences of road accidents

Published

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University

July 2019-23

Bachelor of Technology (B. Tech) in Information Technology

D. D. P. S. SCHOOL

May 2016-18

XII (CBSE)

SKILLS

Tools/Environment: Linux • Python • Flask • SQL • CUDA • HTML • JavaScript • Docker • OpenCv • Power BI • OOPS • TensorFlow

Relevant Coursework: Data Analytics, Cloud Computing, Data Structures & Algorithms, Design & Analysis of Algorithms, OS, DBMS, Computer Networks, R, MySQL

- Aced 600+ questions on **Leetcode** and Code Studio (CodingNinjas)
- Selected as **one of the top 3000 engineering students** to be enrolled in **Amazon ML Summer School'23** globally
- 5 star on **HackerRank** at SQL and Python
- Team lead at Artificial Intelligence Robothlon | Robosapiens Technologies Pvt. Ltd. | IIT Delhi(2019)
- School Debating Team Lead | DDPS Bijnor (2018)
- Software Engineering Virtual Experience Program | Goldman Sachs
- Assisted in 3 Front-End Web Development projects @Microsoft Learn Program | DevTown | Team size: 4

Access Certificates