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Mohd Faisal

Aspiring Data Scientist / Junior Developer

Portfolio
github.com/philoma
linkedin.com/in/mfsl54

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University July 2019-Present
Bachelor of Technology (B. Tech) in Information Technology (GPA 8.0/10)

D. D. P. S. SCHOOL May 2016-18
XII (CBSE), Score- 81%, PCM

TECHNICAL EXPERIENCE

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 30 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

Training

Amazon ML Summer School'23

- Selected as **one of the top 3000 engineering students** to be enrolled in Amazon ML Summer School 2023 globally
- Industry-based learning under the guidance of Amazon Data Scientists and P2P sessions
- Deep Dived into Supervised/Unsupervised Learning, Deep Neural Networks, Dimensionality Reduction, Probabilistic Graphical Models, Sequential Learning, Causal Inference and Reinforcement Learning

NGO Head

Slum Swaraj Foundation

- **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

Sep' 2019 - Present
Ghaziabad, U. P.

RESEARCH & RECENT PROJECTS

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

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

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

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

Academic Research | Image Processing (2022)

- Implemented Convolutional Neural Networks
- Worked on Statical Analysis and Modeling, Image Processing, CNN and Data Mining with Dr. Sushil Kumar

Apprenticeship

Research Paper on Driver's Drowsiness Detection System | Computer Vision

- Undertook system building as an optimized car system solution to decimating the likeliness of road car accidents
- Analysed health, psychological and technical factors linked to the occurrence of road accidents

Published

SKILLS

Tools/Environment: Python • Flask • **SQL** • C++ • HTML • CSS • Java Script • OpenCv • Power BI • OOPS

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

- Aced 500+ questions on **Leetcode** and Code Studio (CodingNinjas)
- 5 star on **HackerRank** at SQL
- 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