# SYED AZFAR ALI

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Data Science enthusiast skilled in Python, Machine Learning, and Data Analysis. Experienced in using statistical methods, data visualization, and predictive models to generate insights and drive decision-making.

## EDUCATION

**Bachelor of Science in Computer Science**
NED University of Engineering and Technology
November 2021 – June 2025

## CERTIFICATIONS

- Data Analyst with Python, DataCamp
- Machine Learning Specialization, DeepLearning.Ai (ongoing)

## SKILLS

**Technical Skills**

- Python
- Flask
- Tensorflow
- Git
- Web Scraping
- Exploratory Data Analysis
- SQL (MYSQL, PostgreSQL)
- Basic Data Warehousing Concept
- Data Visualization
- Machine Learning
- Deep Learning
- PyTorch
- Scikit-Learn

## EXPERIENCE

**StaunchTie Innovations - Software Developer**

- Developed analytical dashboards for websites using Dash and Plotly to visualize key data insights.
- Collaborated on the frontend development, enhancing user experience and interface design.
- Integrated data visualization features to support business decision-making and performance tracking.
- Worked with cross-functional teams to implement efficient, user-friendly solutions.

**Firstplanit - Data Engineer Intern**

- Worked with cross-functional teams to design methods for acquiring and validating eco-friendly product data from both structured and unstructured sources.
- Designed and implemented scalable data management systems, including hands-on ETL processes to extract, transform, and load data.
- Contributed to data quality assurance efforts and explored modern tools to enhance data systems, while supporting machine learning applications to improve data procurement.

## PROJECTS

**PhishTracer: Phishing Detection System (FYP - Ongoing Project)**

Designing a phishing detection system for email classification to enhance email security and prevent cyber threats.

- Cleaned and preprocessed large-scale email data, addressing noise, irrelevant information, and missing values for model training.
- Developed an AI model for phishing detection, implementing efficient adaptation methods to improve performance.
- Integrated a real-time phishing email classification model as a Python-based microservice, exposed via a RESTful API for seamless communication with the Node.js application.

**E-Store ETL Data Pipeline**

- Designed and implemented a data warehouse solution for eStore to optimize inventory management, sales analysis, and supplier relationships.
- Built an ETL pipeline to extract data from Amazon RDS, transform it using a star schema, and load it into MySQL for efficient querying, and created a basic dashboard for performance tracking.

**House Price Prediction Model**

- Built a model to predict house prices with 91% accuracy, improving performance through feature refinement.
- Cleaned and preprocessed data, handling missing values and using web scraping for additional features.
- Developed a Flask web app for real-time house price predictions with a user-friendly interface.