

# SAIFULLAH KHALID

Block # 8 K.A.E.C.H.S | +92 3166 369323 | saifshah0100@gmail.com |

Aspiring Data Scientist and final-year CS student with hands-on experience in Python, SQL, Power BI, and machine-learning projects. Recently built an end-to-end AQI forecasting dashboard during the 10Pearls Shine Internship, integrating live APIs, data engineering, and ML models. Skilled in analyzing datasets, creating interactive dashboards, and delivering practical insights. Also experienced in social media management and Shopify design, bringing a strong blend of technical and digital skills with a passion for real-world problem-solving.

## EXPERIENCE

### AI & DATA SCIENCE INTERN — 10PEARLS SHINE INTERNSHIP PROGRAM

KARACHI | SEPTEMBER 2025 – NOVEMBER 2025

- DEVELOPED AN AQI FORECASTING DASHBOARD WITH LIVE DATA, 7-DAY TREND ANALYSIS, AND 30-DAY PREDICTIONS.
- INTEGRATED REAL-TIME AQI AND POLLUTANT DATA FROM THE AQICN API AND AUTOMATED THE DATA PIPELINE.
- BUILT A RANDOM FOREST REGRESSOR MODEL FOR FORECASTING AND OPTIMIZED PREDICTION ACCURACY.
- DESIGNED INTERACTIVE VISUALIZATIONS USING STREAMLIT AND PLOTLY FOR INTUITIVE USER INSIGHTS.
- DELIVERED A COMPLETE ML WORKFLOW: DATA INGESTION → PREPROCESSING → MODEL LOADING → FORECASTING → DASHBOARD DEPLOYMENT.

**TECH:** PYTHON, PANDAS, NUMPY, SCIKIT-LEARN, RANDOM FOREST, STREAMLIT, PLOTLY, AQICN API

## EDUCATION

- ❖ **HND in Computer Science**  
International College of Excellence, Karachi  
*February 2024 – July 2025*
- ❖ **BSc (Hons) Computer Science — Top-up Year**  
Buckinghamshire New University  
*October 2025 – August 2026*

## SKILLS

- ❖ Python (Pandas, NumPy, Matplotlib, Seaborn, Plotly)

- ❖ SQL / MySQL
- ❖ Data Cleaning & Exploratory Data Analysis
- ❖ Machine Learning Algorithms
- ❖ Power BI Dashboards
- ❖ Streamlit Development
- ❖ API Integration
- ❖ Git & Version Control

## Certifications

- ❖ IBM Data Science Professional Certificate
- ❖ Google Data Analytics Certification
- ❖ Machine Learning Specialisation Certification

## Extracurricular Activities

- ❖ Participated in Global Entrepreneurship Week (GEW) 2025 — ICE Karachi
- ❖ Completed MILO Marathon — Seaview, Karachi

## Links:

LinkedIn: [linkedin.com/in/saifullah-khalid-919770233](https://linkedin.com/in/saifullah-khalid-919770233)

GitHub: [github.com/Saif-Shah-DataScientist](https://github.com/Saif-Shah-DataScientist)