

# Affan Abid

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## WORK EXPERIENCE

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### Python Developer

Nov. 2024 – Mar. 2025

*Freelance (Outsourced)*

*Remote*

- Developed web scrapers for clients that analyzed crypto market trends and extracted data from 50+ exchanges and forums to identify potential trading opportunities
- Integrated scrapers with a Telegram bot, delivering real-time alerts for price movements, liquidity shifts, and trading signals to traders.
  - **Stack:** Python, Streamlit, Selenium, BeautifulSoup, Playwright, JavaScript, Telegraf, Axios, Telegram Bot API, Requests, Pandas

### Teaching Assistant – Probability & Statistics, Artificial Intelligence

Sep. 2024 – Jan. 2025

*Punjab University College of Information Technology (PUCIT)*

- Assisted professors in teaching probability theory, statistical inference, and data analysis to a class of 50+ students through lectures, assignments, and discussions..

## Highlighted Personal Projects

### 1. Data Warehouse and Business Intelligence System

- Designed conceptual and logical data models for a comprehensive data warehouse solution
- Implemented ETL pipelines using SSIS to extract, transform and load data from transactional databases
- Built interactive Power BI dashboards to visualize trends and derive business insights
- **Technical:** SQL Server, SSIS, SSAS, Power BI, DAX, ETL, Data Modeling

### 2. Spotify Music Quiz Application

- Developed a web-based quiz game where users authenticate via Spotify, choose an artist, and guess the track names of randomly selected songs of chosen artist.
- Integrated Spotify API (Spotipy) for song retrieval, authentication, and dynamic quiz generation.
- **Technical:** Flask, Spotipy (Python), BeautifulSoup, requests, HTML5, CSS3, JavaScript, Git, GitHub

### 3. Streamlit Data Analysis & Prediction Application

- Developed a [Streamlit web application](#) for comprehensive dataset analysis including EDA, interactive visualizations and implemented linear regression models to forecast trends and outcomes
- **Technical:** Python, Streamlit, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn

### 4. Interactive Healthcare PowerBI Dashboard

- Designed and implemented a comprehensive Power BI dashboard visualizing key metrics from patient and hospital datasets

Rest of my personal projects along with source code are mentioned in my [personal portfolio website](#)

## EDUCATION

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### Punjab University College of Information Technology (PUCIT)

Sept. 2022 – present

*Bachelors in Data Science*

*Labore, PK*

- **CGPA: 3.63/4.0**

## CERTIFICATIONS

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- [Meta: Django Web Framework](#)
- [IBM: Developing AI applications with AI and Flask](#)
- [IBM: Python for Data Science, AI, and Development](#)