

Affan Abid

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WORK EXPERIENCE

MERN Stack Intern

July 2025 – Present

Tanbits

- Collaborating on the development of full-stack web applications using MERN stack, assisting in the creation of RESTful APIs and integrating them with frontend components for dynamic user experiences
 - **Tools & Technologies:** React.js, Node.js, MongoDB, Firebase, Express.js, Git, GitHub, Postman

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.
 - **Tools & Technologies:** Python, Streamlit, Selenium, BeautifulSoup, Playwright, JavaScript, Telegraf, Axios, Telegram Bot API, Requests, Pandas

Teaching Assistant – Artificial Intelligence, Probability & Statistics

Sep. 2024 – Jan. 2025

Punjab University College of Information Technology (PUCIT)

Highlighted Personal Projects

1. SnapToReuse (Computer Vision Web App) [view↗](#)

- Developed a web-based application that uses object detection to identify real-world items through the user's camera and suggests creative reuse ideas to promote sustainability.
- Integrated the COCO-SSD pre-trained model for real-time object recognition using TensorFlow.js.
- **Technical:** Flask, Spotipy (Python), BeautifulSoup, requests, HTML5, CSS3, JavaScript, Git, GitHub

2. 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

3. Streamlit Data Analysis & Prediction Application [view↗](#)

- 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

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

EDUCATION

Punjab University College of Information Technology (PUCIT)

Sept. 2022 – present

Bachelors in Data Science

Lahore, PK

- **CGPA: 3.55/4.0**

CERTIFICATIONS

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