

AQILA HABIB

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SUMMARY

I am a Computer Science student with a concentration in Data Science at AUAF. I have hands-on experience with programming, building web applications, database systems, and performing data analysis, visualization, and presentations.

EDUCATION

B.A.: American University of Afghanistan (AUAF) 2020-present

Major: Computer Science, Concentration in Data Science

Courses Taken: R for Data Science, Data Mining, Data Visualization, Statistical Data Analysis, College Calculus, Web Development, Database Concepts

SKILLS

Programming/Coding: Python, R, HTML, PHP, Java, SQLite

Software Operating: Microsoft Office, Google Workspace (Docs, Sheets & Presentations)

Soft skills: Team player, multi-tasker with strong management and communication skills

Languages: Fluent in English and Dari/Farsi. Intermediate in Urdu/Hindi

EXPERIENCE

Course Projects at the American University of Afghanistan 2020-present

Data mining and data analysis of car crashes in the United States

- Mined the public databases to collect, clean and organize car crash data in the U.S.
- Explored correlations among quantitative variables to identify main drivers of crashes using models such as linear regression, random forests, and decision trees and estimated key factors (e.g., age, gender, geographic locations) to draw insights about insurance pricing.
- Visualized, interpreted and presented the outcomes using PowerPoint slides with charts, correlation heatmaps, scatter plots, and feature importance from tree-based models.

Front-end and back-end experience with the Afghanistan dress collection website (ADC)

- Developed a database for the ADC website by designing table styles for prices, reviews, and discounts and made graphs to establish relationships.
- Connected the database to the HTML pages with key features such as a login page, shopping cart, and payment system, offering users a smooth and interactive browsing experience.

A group study application for Afghan girls in Afghanistan

- Researched the market and compiled a detailed design report that explains the App's purpose, its target users, and the overall system structure.
- Implemented key features such as a login page, notifications, group study rooms, conversation groups, and progress results using Python, HTML, and SQL.

Database curation of a hospital management system project

- Built a hospital management system using phpMyAdmin and Java, which involved creating the database and storing information about doctors, patients, reports, and hospital departments.
- Interfaced the website with NetBeans, where doctors/or patients could log in, view profiles, and create reports.

Teaching experience

- Taught high school mathematics and sciences at KB High School in Pakistan. 2021- 2023
- Taught ESL classes to refugee students at Ufuq High School in Pakistan. 2012- 2017

REFERENCES

- Prof. Asadullah Jawid, AUAF, Contact: ajawid@auaf.edu.af
- Prof. Umut Tosun, AUAF, Contact: utosun@auaf.edu.af
- Kirk Merrett, HR Leader at Hyundai, Contact: +1(416) 993-7700, kmerrett@hyundaicanda.com
- Margaret Codrington, Supervisor and transportation at North York Seniors Centre, Contact: +1 (416) 829-0404, margaretcodrington@gmail.com