

AFAQ ALAM

+923495417969

LinkedIn

Github

afaqalam2003@gmail.com

Education

National University of Computer & Emerging Sciences
(NUCES-FAST)
BS in Data Science
Expected Graduation May 2025
CGPA: 3.36
Dean's list: Fall '22, Spring '24

Course Work

Data Warehousing & Business Intelligence
Data Analysis & Visualization
Natural language processing
Artificial Intelligence
Database Systems
Advance Statistics
Data Mining

Work Experience

Urnik Systems | Junior Backend Developer

- Oct 2024 – Present
- Collaborating in an Agile development environment to deliver software solutions.
 - Designing, developing, and maintaining RESTful APIs and endpoints using Django for scalable backend services.
 - Managing and updating dynamic web pages using WordPress.
 - Coordinating with cross-functional teams to align technical deliverables with business requirements.
 - Utilizing Git for version control to manage code changes and collaborate effectively.

NUCES-FAST | Lab Demonstrator

- February 2024 – May 2024
- Assisted students from different batches in resolving errors and explaining concepts
 - Lab demonstrator for Database course and Computer Organization & Assembly Language (COAL) course

Graana.com | Data Science Intern

- June 2023 – August 2023
- Utilized Tesseract OCR to extract information from images
 - Proficient in data collection, image and text preprocessing, and integration via Python
 - Leveraged Web Scraping techniques to acquire data

Programming Languages

Python | C++ | JavaScript | CSS | SQL

Dev Tools/Frameworks

VS Code | MySQL Workbench | Django | Git
| Docker | Linux

Projects

Real Time Bill Generation using AI | Python

- Web application that utilizes YOLOv8 and a custom augmented dataset to automate the generation of bills, providing a user-friendly interface for seamless data input and output.
- The application detects objects, streamlining the billing process, focusing on efficiency and accuracy.

Amazon Product Recommendation System | Python

- Collaborated with team members to clean and load Amazon Product Reviews dataset into MongoDB using Apache Spark and Python, performed Exploratory Data Analysis, and preprocessed data for training an ALS model.
- Set up a Flask-based web application integrated with Kafka to stream real-time recommendations based on user preferences.

Object detection and replacement using AI generated object | Python

- Utilized Detectron2 for object detection in images, allowing users to select objects using the cursor.
- Replaced selected objects with DALL-E generated objects and deployed the application on a Streamlit app.

Languages

English (Fluent) | Urdu (Fluent) | German (A1)
| Burushaski (Mother Tongue)

Hobbies

Football | Volleyball | Video Games