Ahmed Hanif

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EDUCATION

University of Doha for Science and Technology   **Doha, Qatar**
B.Sc IT / Data Science and AI (GPA: 3.97)
Graduation Date: 2026

Technology and Skills

Programming Languages: Python, HTML, CSS, JavaScript, Java
Data Science Tools: Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn, Hugging Face Transformers, TensorFlow, PyTorch
Development Tools and Frameworks: Node, Express.js, DOM Manipulation, Git, Github
Skills: Database Management, Data Curating, Data Preparation, Object Oriented Design
Languages: English, Urdu

WORK EXPERIENCE

University of Doha for Science and Technology   **Doha, Qatar**
Teaching Assistant - College of Computing and IT   *September 2024- Onwards*
- Supported lab sessions and courses for 100+ Students in Computer Programming, Discrete Structures, Database Management, and Full Stack Web Development.
- Managed peer tutoring operations, coordinating peer tutors and ensuring smooth execution of the program.
- Provided tutoring and academic support, helping students enhance their technical skills.

Optimum Systems   **Doha, Qatar**
AI Developer   *July 2024- August 2024*
- Data Curation and Data Preparation – Cleaned CSV Files by removing special characters. Preped the files in order to feed to the LLM Model
- Created Python scripts in order to clean healthcare guidelines to feed the model. Utilized Libraries such as Regular expression library and PyMudf
- Trained a BERT model on medical guidelines, achieving a 10% improvement in accuracy compared to baseline OpenAI models.
- Modified the completion object from the RAG pipeline in order to extract JSON out of it, and converted it into an excel to extract useful information out of it.

University of Doha for Science and Technology   **Doha, Qatar**
Advanced Writing Center   *August 2023- June 2024*

- Offered comprehensive support in the presentation development process, encompassing MS PowerPoint best practices, audience identification, presentation style, and grammar.
- Collaborated with instructors to relay the outcomes of each student meeting, effectively communicating results, and addressing any concerns or recommendations.

Fookis Labs   **Doha, Qatar**
Photography Assistant   *2022-2024*
- Worked with Rare Burger Qatar to showcase hands in marketing their food products
- Collaborated with photographers and art directors to translate their concepts into compelling hand modeling shots.
- Assisted in setting up lighting equipment, backdrops, and props for optimal food shots.

Trinity Talent Qatar   **Doha, Qatar**
Host   *November 2022- December 2022*
- Greet guests immediately upon entry into the stadiums, checking their details and ensuring that they are in the right place and escorting them to their table, ensuring a luxurious customer experience.
- Provided special attention to people with disabilities and provided necessary assistance.
- Ensure guests have a positive, fun experience, and anticipating and attending to guests needs effectively and efficiently.

PROJECTS AND CERTIFICATES

Library Management System
Code: https://github.com/ahmedhanifc/LibraryManagementSystem/tree/main

                                                                                December 2024
- Built a modular Java-based application using OOP principles to manage books, DVDs, and journals.
- Leveraged Java Streams for filtering, sorting, and grouping data, with a user-friendly CLI for interaction.

- Applied functional programming and robust error handling to ensure scalability and reliability

Full-Stack Language Exchange Application
Code: https://github.com/ahmedhanifc/Language-Exchange

November 2024

- Developed a secure and scalable platform enabling language learners to connect and communicate, leveraging Node.js, Express.js, and MongoDB.
- Designed robust user authentication and session management with password encryption and CSRF protection.
- Built dynamic UI components using Handlebars and implemented RESTful APIs for modular functionality, including messaging and contact management.
- Integrated gamification elements like badges and user statistics to enhance engagement.

Flight Management System

November 2024

Code: https://github.com/ahmedhanifc/FlightManagementSystem

- Developed a Java Application for managing flight bookings using OOP principles (Inheritance, polymorphism, encapsulation)
- Designed and Implemented Modules for Flight Scheduling, customer booking, and resource assignment (Pilots, Crew)
- Utilized Java Collections Interface for data handling and creating reusability methods
- Created Features for Booking, Cancelation, and flight management via a menu-driven interface

ACT 28 Hackathon (MENA Region)

May 2024

- Participated in the ACT 28 Hackathon, which focused on sustainable growth in line with the Sustainable Development Goals (SDGs).
- Contributed to developing innovative solutions addressing sustainability challenges.
- Collaborated with a diverse team to ideate and implement impactful projects promoting responsible consumer behavior and environmental sustainability.

Data Science Breast Cancer Analysis Project
Code : https://github.com/ahmedhanifc/Assignment/blob/main/60301085_assignment_final.ipynb

April 2024

- Leveraged comprehensive statistical and machine learning techniques, including regression and classification, to analyze and predict patient outcomes from a dataset of over 4,000 entries. Utilized Python libraries like Scikit-learn, Matplotlib, and Seaborn for analytics and visualization.
- Enhanced data quality and model performance through meticulous data management, including cleansing, feature engineering, and normalization, which facilitated accurate trend analysis and outcome prediction.
- Translated complex data insights into strategic decisions by synthesizing findings into clear, detailed reports and presentations aimed at non-technical stakeholders, highlighting the impact on patient care strategies.

Etch-a-Sketch - HTML, CSS, Javascript
Live Overview: *Etch a Sketch (ahmedhanifc.github.io)*

2022

- Created a drawing app that allows the user to draw over a grid.
- Used CSS Grid to create the layout of the grid and DOM Manipulation to get mouse input from the user

Volunteering

Advanced Writing Center - Workshop

2023– 2024

- Researched and presented AI tools to an audience of 90+ participants, highlighting practical applications, limitations, and future trends in academic settings.

MC – UDST Student Symposium on Computing and IT (SSCI2024)

April 2024

- Hosted the annual Computing and IT symposium, coordinating presentations, adhering to strict timelines, and delivering closing remarks.

Qatar Debate

2022 – 2023

- Advanced to the Quarterfinals in Qatar Debate Open (January 2023), demonstrating strong debating and rhetorical skills.
- Served as a judge, providing constructive feedback, assessing performance, and ensuring timely submission of ballots.