

Taufiq Syed

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Education

BS Computer Science

American University of Sharjah

09/2021 – 06/2025 | GPA: 3.41

Courses: Neural Networks, Artificial Intelligence, Data Mining, Databases

Skills

TensorFlow & PyTorch

Natural Language Processing

Git & GitHub

Docker


AWS Certified Cloud Practitioner

Coursera Deep Learning Specialization

Research

LLMs for Early Grade Reading Assessment

American University of Sharjah

07/2024 | [Publication Link](#) 

LLMs for Evaluating Mechanical Lung Ventilator Requirements Specification

American University of Sharjah

09/2024 | [Publication Link](#) 

Awards

Secured 2nd in SoftwareAG GITECH Future Disruptors Competition | 2023

Placed 1st in AUS Programming Contest | 2022

Secured 2nd in Abu Dhabi University STEM Programming Contest | 2022

Professional Experience

Software Engineering Intern

Belsons Technologies

07/2024 – 08/2024 | Dubai, UAE

Conducted statistical market research and generated AI-driven property reports with GPT-4, aligning insights with real-world data for accurate forecasts.

Software Engineering Intern

ILMUX Ltd.

06/2022 – 09/2022 | Mumbai, India

Learnt about the CI/CD software development pipeline and wrote automated tests for quality assurance. Used WebSockets to create an internal chat application.

Memberships

President | Open Source Club

American University of Sharjah

2023 – 2024 | Organized 15 technical events

Activities Coordinator | Tech-Entrepreneurship Club

American University of Sharjah

2023 – 2024 | Led a 5-part Flutter workshop series

Projects

Generation of High-Level Music Structures

American University of Sharjah - COE 476

Processed music dataset into music-prompt pairs with extracted structural information, and finetuned the MusicGen transformer using a LoRA adaptor.

[CLAP LAION FAD: 0.9959; Overall Quality: 70.48/100]

Waste Classification with Feature Extraction

American University of Sharjah - CMP 466

Processed a 12-class garbage classification dataset using CNN feature extraction with TensorFlow and scikit-learn.

[MobileNetV2 Accuracy: 0.93; Weighted F1: 0.93]

Bank Account Fraud Detection

American University of Sharjah - STA 401

Used balanced data mining approaches, including LDA, SMOTE, and Balanced Random Forest for competitive results on a highly imbalanced dataset.

[Recall: 0.79; AUC: 0.88]

Languages

Python, C++, JavaScript, TypeScript, Java, MATLAB