

## SUMMARY

Computer Science graduate with a strong focus on automation, artificial intelligence, and data processing. Proven track record of converting manual processes into automated workflows, significantly enhancing efficiency and accuracy. Experienced in applying advanced NLP and machine learning techniques in practical contexts, including finance, accounting, and legal sectors. Proficient in Python, SQL, and data analysis frameworks.

## EDUCATION

### American University of Sharjah (AUS)

*Bachelors of Science in Computer Science*

#### Mobile Application for Deaf Students (Senior Design Project)

*American University of Sharjah*

- Built an app to automate communication between deaf and hearing people
- Ranked top 20 in Dell Middle East Competition

#### President, Arabic Heritage Club

*American University of Sharjah*

- Led a 15-member team organizing cultural events

#### Library Student Assistant

*American University of Sharjah*

- Provided technical IT support

**Sharjah, UAE**

*Aug. 2020 - Jun. 2024*

**Sharjah, UAE**

*Aug. 2023 - Jun. 2024*

**Sharjah, UAE**

*Aug. - Dec. 2023*

**Sharjah, UAE**

*Aug. 2021 - June 2023*

## EXPERIENCE

### TawjeehAI

*Founder*

- Automated manual processes and unified pipelines for an accounting firm, significantly enhancing operational efficiency
- Delivered custom NLP chatbots in Islamic Banking and Environmental Law

### Qatar Computing Research Institute

*Research Assistant Intern*

- Developed a Microsoft Word extension using QCRI's Shaheen model, enabling automated in-place document translation
- Automated and simplified the analysis of multilingual AI model behavior

### CAMeL Lab - New York University

*Visiting Undergraduate Research Assistant*

- Automated the annotation process, integrating AI-generated word suggestions in Excel, significantly reducing manual effort and speeding up annotation tasks by tenfold
- Researched Arabic diacritics nature

### aiXplain

*Machine Learning Intern*

- Developed automated data annotation interfaces, significantly reducing manual labor
- Researched speech-to-text models for Arabic

### Ministry of Artificial Intelligence, Cisco, and aiXplain

*NLP Trainee – Sibaq Lahja*

- Developed automated Arabic diacritization models achieving a word error rate below 9%, significantly reducing annotation time and saving countless hours for Arabic language annotators globally
- Awarded "The Most Contributing Team"

**Dubai, UAE**

*Dec. 2024 - Present*

**Remote**

*Jun. 2024 - Feb. 2025*

**Abu Dhabi, UAE**

*Jun. - Oct. 2023*

**Remote**

*Dec. 2022 - May 2023*

**Dubai, UAE**

*Jul. - Oct. 2022*

## PUBLICATIONS

- [ACL 2024](#), [COLING 2025](#), [EMNLP 2022](#) (co-authored papers)

## SKILLS & INTERESTS

**Computer & Framework Skills:** PyTorch, TensorFlow, Hugging Face, scikit-learn, NumPy, GitHub

**Programming Languages:** Python, Javascript, SQL, C++, Swift

**Language:** Arabic (Native), English (Fluent)