TAMEEM KABBANI

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SUMMARY

AI/ML-focused Computer Science graduate with expertise in Arabic NLP, dialect identification, and machine translation. Presented research at ACL 2024 on Arabic diacritization. Experienced in model development, evaluation, and optimization through roles at QCRI and CAMeL Lab. Skilled in Python, PyTorch and Hugging Face.

EDUCATION

American University of Sharjah (AUS)   **Sharjah, UAE**
Bachelors of Science in Computer Science   *Aug. 2020 - Jun. 2024*

Mobile Application for Deaf Students (Senior Design Project)   **Sharjah, UAE**
American University of Sharjah   *Aug. 2023 - Jun. 2024*
- Reached the top 20 finalist teams in the Dell Competition, competing with the entire Middle East.
- Evaluated speech recognition models, selecting Google Cloud ASR for its superior real-time transcription accuracy.
- Created and optimized tailored Environmental Sound Classification Model for school setting with 90% accuracy.

President, Arabic Heritage Club   **Sharjah, UAE**
American University of Sharjah   *Aug. - Dec. 2023*
- Led a 15-member team to organize cultural events promoting Arabic heritage.
- Mediated conflicts, fostering a cohesive environment for effective club initiatives.

Library Student Assistant   **Sharjah, UAE**
American University of Sharjah   *Aug. 2021 - June 2023*
- Assisted students with IT issues, including printing, computer-related problems, and software applications.

EXPERIENCE

AraChatbots   **Dubai, UAE**
Founder   *Dec. 2024 - Present*
- Developed a SaaS to integrate AI chatbots for businesses.
- Developed a database and backend for the website.
- Freelanced two RAG systems.

Qatar Computing Research Institute   **Remote**
Research Assistant Intern   *Jun. 2024 - Present*
- Contributed to a COLING 2025 accepted paper
- Surveyed dialect identification models to identify potential improvements for our own model.
- Developed a system that uses Shaheen's QCRI model to accurately translate word docs preserving format.
- Worked on an interpretability project.

CAMeL Lab - New York University   **Abu Dhabi , UAE**
Visiting Undergraduate Research Assistant   *Jun. - Oct. 2023*
- Co-authored a paper accepted to the ACL 2024 main conference.
- Released open-source diacritics analysis code using Python and GitHub, enhancing research transparency.
- Collaborated in weekly team discussions to guide the enhancement of an Arabic diacritization algorithm.

aiXplain   **Remote**
Machine Learning Intern   *Dec. 2022 - May 2023*
- Created a user interface for the annotator to easily modify the dataset the way the company wants.
- Researched models for speech recognition that works best with Arabic text.
- Pre-processed data given in JSON format.

Ministry of Artificial Intelligence, Cisco, and aiXplain   **Dubai, UAE**
NLP Trainee – Sibaq Lahja   *Jul. - Oct. 2022*
- Won the best team for the most contributing team to the program.
- Contributed to a paper accepted to the EMNLP 2022 conference.
- Developed two diacritization models (HMM and Seq2seq) achieving less than 9% word error rate.

SKILLS & INTERESTS

Computer & Framework Skills: GitHub, Tensorflow, PowerPoint, Word, Excel, scikit-learn, Numpy, PyTorch
Programming Languages: Python, Javascript, SQL, C++, Swift
Soft Skills: Teamwork, Leadership, Time Management, Creativity
Language: Arabic Native Speaker, English Fluent Speaker
Extracurricular Activities: Cultures, Swimming, Tennis, Football