Mohammed Ariz Siddiqui

Dallas, TX, USA | Portfolio: https://www.arizsiddiqui.in

EDUCATION:

SRM Institute of Science and Technology	Jul 2023

Bachelor's in Technology, Computer Science and Engineering

Indian Institute of Technology, Madras	Apr 2024

Bachelor's in Science, Programming and Data Science

The University of Texas at Dallas	Jan 2026

Master of Science, Computer Science

PROFESSIONAL EXPERIENCE:

Techjockey Infotech Private Limited   Jun 2023 - Nov 2023
Software Apprentice

- Started and developed multiple pilot projects to introduce various new features on the platform.
- Migrated the Review module of the platform from PHP to JavaScript using Next.js.
- Modified existing frameworks and libraries to optimize the migrated module.

Gahan AI Private Limited (in collaboration with NVIDIA Corporation)   Oct 2021 - Apr 2022
Machine Learning Intern

- Explored several proprietary machine learning SDKs to implement end-to-end pipelines for Computer Vision, Speech AI, and Natural Language Processing applications.
- Published easy-to-understand blogs for developers new to the NVIDIA Developer ecosystem on Medium.
- Managed multiple NVIDIA Deep Learning Institute (DLI) workshops as a Teaching Assistant.
- Audited multiple courses at the DLI to be used in workshops.

TECHNICAL SKILLS:

- **Operating Systems:** Windows, macOS, Linux
- **Programming Languages:** Assembly, C, C++, Python, Java, Swift, bash/zsh, HTML, CSS, JavaScript, node.js
- **Databases:** MySQL, Oracle, Postgres, MongoDB, Azure SQL, Redis
- **Cloud Technologies:** Microsoft Azure, Amazon AWS
- **High-Performance Computing:** Docker, NVIDIA CUDA
- **Machine Learning / AI:** OpenCV, sklearn, TensorFlow, PyTorch, LangChain, Rasa, NLTK, NVIDIA AI SDKs
- **Frameworks/Toolkits:** Bootstrap, Flask, NumPy, Pandas, Seaborn, Vue 3, Nuxt3, Elasticsearch, React, Next.js, Auth.js, Tailwind CSS, Prisma ORM
- **General Computing:** Microsoft Office, Adobe Creative Cloud, Figma
- **Certifications:** Fundamentals of Accelerated Data Science (NVIDIA 2022), Applications of AI for Anomaly Detection (NVIDIA 2022), Building Conversational AI Applications (NVIDIA 2022), Student Expert (Postman 2021)

VOLUNTEER:

- Associate Technical Lead, Microsoft Learn Student Ambassadors SRM   Aug 2019 - Nov 2021

PROJECTS:
Major ML/AI Projects
- Onscreen Writer (*Swift*)
- Lexicon — Browser Extension for Automatic Tag Recommendation for blogs (*HTML, CSS, JavaScript, Python*)
- Naive Bayes Classifier for Classifying Economic Classes based on Population Metrics (*C++*)
- Student Enrolment Prediction (*Python, sklearn*)
- Chatbot Pilot (*Python, LangChain*)
- Introduction to DeepStream SDK (*C++, Python, Docker, NVIDIA DeepStream, NVIDIA TAO*)
- Semantic Segmentation and Federated Learning using Clara SDK (*Python, Docker, NVIDIA Clara*)

Major Software Development Projects
- Simplified AWS DynamoDB Clone (*C++*)
- LearnIrula — A learning guide and dictionary for the low-resource Irula Language (*node.js, MongoDB, Microsoft Azure*)
- Techjockey.com migration (*PHP, Prisma, SQL, Docker, Redis, Elasticsearch, JavaScript, Next.js*)
- CLIK – Command Line Tool for storing API keys securely (*Python*)

PUBLICATIONS:
Revitalizing the Irula Language through Mobile Language Learning Application (*ReCALL*, Manuscript ID: *REC-2023-0066*)