

Mohammed Ariz Siddiqui

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EDUCATION:

SRM Institute of Science and Technology Bachelor's in Technology (B.Tech) - Computer Science and Technology	(2019-2023)
Indian Institute of Technology, Madras Bachelor's in Science (B.Sc.) - Programming and Data Science	(2021-2024)
The University of Texas at Dallas Master of Science (MS) - Computer Science	(2024-Present)

EXPERIENCE:

(06/23 - 11/23) **Techjockey Infotech Private Limited**
New Delhi, India *Software Apprentice*

Achievements:

- Started and developed multiple pilot projects to introduce multiple 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.

(10/21 - 03/22) **Gahan AI Private Limited (in collaboration with NVIDIA Corporation)**
Bengaluru, India *Intern — Machine Learning*

Achievements:

- Worked with Senior Solutions Architect at NVIDIA, Mr Amit Kumar.
- Explored a number of 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:

- General Programming Skills: Python, C, C++, Java, Swift, Bash/ZSH, HTML, CSS, JavaScript, node.js, Oracle, MySQL, git, awk/sed, Docker, Prisma, MongoDB.
- Frameworks/Toolkits: Bootstrap, Flask, SQLAlchemy, NumPy, Pandas, OpenCV, scikit-learn, Seaborn, TensorFlow, PyTorch, Nvidia DeepStream, Nvidia Riva, Nvidia Clara, Nvidia NeMO, Nvidia TAO Toolkit, Microsoft Azure, AWS, Vue, React, Twilio, LangChain, Next.js 13, Auth.js, Nuxt3.

CERTIFICATIONS:

- **Nvidia DLI**: Fundamentals of Accelerated Data Science, Applications of AI for Anomaly Detection, Building Conversational AI Applications.

VOLUNTEER WORK:

- **Microsoft Learn Student Ambassadors SRM**: Worked to improve technical skills for all students by organizing multiple events and webinars as Associate Technical Lead of the club.
- **Aaruush**: Organized multiple fests for student recreation, with specific charge of guest and itinerary management as Highlights Committee Head.

PROJECTS:

- Onscreen Writer using Hand Pose Detection (Swift)
- Lexicon — Browser Extension for Automatic Tag Recommendation for blogs (HTML, CSS, JavaScript, Python)
- Vue.js Devtools extension for Safari — A port of the official vue.js devtools extension for Google Chrome (bash, Swift, JavaScript)
- CLIK — Command Line Interface (CLI) for storing secret keys and OAuth tokens (Python, bash)
- Student Enrolment Prediction (Python)
- Ticket Show — (HTML, CSS, Python)
- [arizsiddiqui.in](https://www.arizsiddiqui.in) — Portfolio (HTML, CSS, JavaScript)
- Landmarks — Application to track and store information of natural landmarks (Swift)
- Introduction to DeepStream SDK (Python, Docker)
- LearnIrula — Android application to protect an endangered language from extinction (node.js, Azure, MongoDB, React Native)
- clean.sh — A shell script to identify and remove purgeable space on macOS (Bash/ZSH)

PUBLICATIONS:

Revitalizing the Irula Language through Mobile Language Learning Application
Submitted to ReCALL, Cambridge University Press — Manuscript ID: [REC-2023-0066](#)