

# MOHAMMED SAMEER SYED

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## Education

### University of Arizona

Jan. 2024 – Present

*Master of Science in Information Science: Machine Learning*

*Tucson, Arizona, USA*

- Information Science
- Data Warehousing
- Machine Learning
- Neural Networks
- Applied ML
- Cloud Analytics
- Artificial Intelligence
- NLP

## Education

### National Institute of Technology

Jun. 2019 – May. 2023

*Bachelor of Technology in Electronics and Communication Engineering*

*Srinagar, India*

- Data Structures and Algorithms
- Analog, Digital Electronics
- Computer Architecture

## Experience

### Lumenci

January 2024 – Present

*Software Engineer*

*Gurgaon, Haryana, India*

- Designed and implemented an automated portfolio analysis system, leveraging machine learning algorithm and advanced feature engineering techniques to streamline processes and enhance accuracy.
- Developing a comprehensive 3GPP repository with AI-powered search capabilities, providing easy access to a vast amount of information.

### Indian Institute of Technology, Indore

January 2022 – May 2022

*Research Intern*

*Indore, MP, India*

- Developed a Graph Neural Network (GNN) architecture from the ground up to train on a decade's worth of data from the NASA's Solar and Heliospheric Observatory satellite.
- Led a team of 3 in researching time series forecasting using deep learning frameworks.

## Projects

### Self Propulsive Auto Landing Machine | *Landing Model Rocketry*

January 2023

- In my final year grad project, I led a team of 10 to create a groundbreaking, innovative project, first of its kind in India.
- We designed and constructed a model rocket, it was equipped with a custom-built flight computer and control system, enabling it to land on its legs.
- We have applied for a patent for the ARCHER 1.0 flight computer, which was integral to the success of the project.
- Utilized a range of cutting-edge technologies, including model design, 3D printing, PCB design, IoT, rocket fuel, and SIMULINK, while demonstrating strong problem-solving skills and collaborating effectively with multidisciplinary teams.

### MCQ Generator Web App | *OpenAI API, Langchain, Streamlit*

October 2020

- Developed an end-to-end web application using Streamlit, OpenAI's API, and LangChain to generate multiple-choice questions (MCQs) for various topics.
- Integrated memory capabilities to enable the app to retain context and improve question relevance over multiple interactions. Added features to recommend documents for generating quiz questions and included many customizable parameters to tailor the quiz generation process.
- Implemented a user-friendly interface with Streamlit, ensuring seamless interaction.

## Technical Skills

**Languages:** Python, C++, C, HTML, CSS, SQL

**Developer Tools:** VS Code, Jupyter Notebook, Google Collab, Android Studio, Docker

**Technologies/Frameworks:** TensorFlow, PyTorch, Streamlit, Keras, scikit-learn, XGBoost, NLP, NLTK, Kali Linux

## Achievements

**MyCaptain** | *Received LOR for excellence at Workshop on Artificial Intelligence.*

May 2021

**Unacademy** | *Secured 4th place in all India IQ quiz held by Unacademy*

December 2020

**IEEE** | *Runner-Up in IEEE Brainly Event*

November 2019