



Shahzada Moon

I'm very dedicated for my life as a student and will also be dedicated for my professional life as well. From my school life, I am always ready for all type of competitions including sports, cultural activities, science exhibitions, debate, essays, writing, speech, drawing and other such competitions, and as result I won lots of certificates, medals, prizes that prove my hardworking as well as my interest. Not always I succeed, but I had never disappointed with failure as it realised me where I was wrong. I'm very influenced with my parents. It will be my fortune and a step towards my success, if I will be selected to work with you.

Education

1- Indian Institute Of Technology Madras (2023 - Present)

Course : B. S. Data Science

Year : Diploma Level (2nd Year)

2- R.D. Engineering College Duhai, Ghaziabad (2023 - Present)

Course : B. Tech (Computer Science & Engineering)

Year : 2nd Year

Workshops & Certifications

- IIT Madras B.S. Program : **Merit Cum Means Based CSR Scholarship**, 2025, **IIT Madras**
- IIT Madras B.S. Program : Foundation Level Certificate in **Programming & Data Science**, 2024, **IIT Madras**
- IIT Madras B.S. Program : Workshop Certificate on **Implementing Machine Learning Techniques using Numpy**, Jan 6, 2025 - Jan 9, 2025, **IIT Madras**
- IIT Madras B.S. Program : Workshop Certificate on **Dynamic Programming: Build Optimal Solutions with Practical Examples**, Jan 20, 2025 - Jan 22, 2025, **IIT Madras**
- Extracurricular : Certificate on **Basics of Python**, 2024, **Infosys**
- Extracurricular : Certificate on **Python (Basics)**, 2024, **HackerRank**
- Extracurricular : Certificate on **SQL (Basics)**, 2024, **HackerRank**
- Extracurricular : Certificate on **ChatGPT For Everyone**, 2025, **GUVI**
- Extracurricular : Certificate on **Introduction to the Emergency Response Framework (ERF)**, 2024, **World Health Organization**

Projects

1. A-Z Household Service Application

Developed a full-stack web application to streamline household service bookings, enhancing user convenience and provider management.

Features: User authentication, service booking, and payment integration.

Tech Stack: Built with Flask (Backend) and HTML-CSS (Frontend).

Impact: Streamlined service booking, enhancing user convenience and provider reach.

2. LLM - Based Automation Agent for DataWorks Solutions

Developed an LLM-based automation agent to process log files, reports, and code artifacts, improving operational efficiency for DataWorks Solutions.

Natural Language Task Execution: Implemented a POST /run endpoint to execute plain-English tasks, leveraging GPT-4o-Mini for parsing and multi-step processing.

Exact Output Verification: Exposed a GET /read endpoint to verify outputs against expected results, ensuring data integrity and security.

Operational Tasks Automation: Automated 10+ tasks including date calculations, data sorting, text extraction, and embeddings.

Business Tasks Integration: Enabled API fetching, git operations, SQL queries, web scraping, and image processing, integrated into a CI pipeline via Docker.

Security and Compliance: Ensured strict data access and non-deletion constraints.

Skills

- Operating Systems** : MacOS, LINUX (Beginner), Ubuntu (Beginner), Windows
- DevOps & Tools** : Git, Github, Jupyter, OpenRefine, Markdown (md), JSON, API Integration, Docker, Podman
- Programming Languages & Frameworks** : Python, C, Java (Pursuing), SQL, HTML, CSS, JavaScript, VueJS, FastAPI, FLASK, RESTAPI
- Data Science, Machine Learning & Artificial Intelligence (AI)** : Data Science, Machine Learning, Artificial Intelligence, LLM, AI Prompt Engineering, Scikit Learn, Matplotlib, Seaborn, Pandas, Numpy,
- Google Workspace & Tools** : Sheets, Charts, Colaboratory, Docs, Forms, Slides, Calendar, Meet, Drive, Gmail
- Microsoft Office** : Word, Excel, Powerpoint
- Database & SQL** : MYSQL, SQLITE, POSTGRESQL

Contacts

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My IITM Profile : <https://ds.study.iitm.ac.in/student/23F2002668>