

SHAHZADA MOON

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Muradnagar, Ghaziabad, India

My Portfolio

My IITM Profile

SKILLS

Python, Java, C, SQL, Shell Scripting, JavaScript, SED, AWK, Markdown, JSON, CSV

Git, GitHub, Linux System Administration, Jupyter, OpenRefine, API Integration, Docker, Podman, Redis, Celery

HTML, CSS, JavaScript, VueJS, FastAPI, Flask, REST API, macOS, Linux, Windows

Data Science, Machine Learning, Artificial Intelligence, LLM, Prompt Engineering, Web Scrapping, PlayWright, Selenium, BeautifulSoup, scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

Sheets, Charts, Colab, Docs, Forms, Slides, Calendar, Meet, Drive, Gmail, Word, Excel, PowerPoint

MySQL, SQLite, PostgreSQL, Data Structures, Algorithms, Blockchain Fundamentals

EDUCATION

Indian Institute of Technology Madras, Chennai, Tamil Nadu, India

2023 – Present

B.S. Data Science (Currently in Diploma Level)

R.D. Engineering College, Ghaziabad, Uttar Pradesh, India

2023 – Present

B.Tech Computer Science & Engineering, 3rd Year

PROJECTS

Automation Agent – DataWorks Solutions (LLM + Flask)

[View on GitHub](#)

- Developed Flask-based automation system executing 15+ distinct tasks including web scraping, log analysis, database queries, and data extraction
- Containerized application with Docker and integrated into CI/CD pipeline for seamless deployment

Attendance Master & Extra-Curriculum Activity Manager (Flask + HTML + JS + MySQL)

[View on GitHub](#)

- Student attendance tracking and activity monitoring system with attendance trends, participation logs and performance reports to digitize academic records
- Automated daily job reminders and monthly candidate reports using Celery jobs, reducing manual reporting effort by 70%

QuizMaster (Python + Flask + HTML + VueJS + MySQL)

[View on GitHub](#)

- Created quiz management platform supporting multiple-choice questions, timed tests, and real-time evaluation
- Automated daily reminders for candidates and generated monthly performance reports using Celery jobs

A-Z Household Service Web App (Flask + HTML)

[View on GitHub](#)

- Developed full-stack application for on-demand household services with service search, booking engine, and user management
- Implemented Flask backend with Vue.js frontend for user authentication and service requests improving API response time by 25%

Smart Pharmacy Management : Leveraging Data for Efficiency & Growth (Excel & Flask + HTML Dashboard)

[View on GitHub](#)

- Conducted data-driven business analysis for pharmacy digitization using Excel-based analytics
- Analyzed 42 days of sales data (111 medicines, 10 categories) using ABC analysis and time-series trends
- Discovered 29% of products generated 79% of revenue, leading to actionable inventory optimization recommendations

CERTIFICATIONS & WORKSHOPS

- Merit Cum Means Based CSR Scholarship** - IIT Madras B.S. Program (2025)
- Diploma Certificate in Programming** - IIT Madras B.S. Program (2025)
- Foundation Level Certificate** - IIT Madras (2024)
- Machine Learning Workshop** - IIT Madras (Jan 2025)
- Dynamic Programming Workshop** - IIT Madras (Jan 2025)
- Blockchain & Its Application** - NPTEL (2025)
- Python Basics Certificate** - Infosys (2024)