JAINUL TRIVEDI

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EDUCATION:

Southern Methodist University — Dallas, TX
Master's in Computer Science — May 2026
Award: Lyle Deans Graduate Scholarship

Gujarat Technological University — India
Bachelor's in Computer Science and Engineering (AI-ML) — May 2024

SKILLS & RELEVANT COURSEWORK:

- **Programming & Data Tools:** Python, R, SQL, Excel, Hadoop, Spark, Hive, MapReduce
- **ML & AI:** Machine Learning, Deep Learning, NLP, AI, Data Visualization (Power BI, Tableau)
- **Core CS:** Data Structures & Algorithms, DBMS, Computer Organization, Big Data, Web Development
- **Certifications**: Data Science Masters, IBM Applied AI, IBM AI Engineering, Google Digital Marketing
- **Professional:** Data-Driven Decision Making, Project Management, Strategic Thinking, Communication
- **Languages:** English

RESEARCH and PUBLICATIONS:

AI assistant for people with Low-SES(Socioeconomic Status) using Federated Learning. Developing AI Assistant to profile SES while ensuring privacy

Technical Articles related to Data Science and AI (Medium) - https://medium.com/@jainultrivedi55555

A Comprehensive Study on Machine Learning and Deep Learning Models in Web Traffic Forecasting — 04/2024
Archives of Computational Methods in Engineering, Springer

Well Temperature and Pressure Profiling using Machine Learning — 02/2024
Stanford University

ENGINEERING PROJECTS:

Phishing Website Detection using Machine Learning (End-to-End Pipeline) — 08/2025
- Developed an end-to-end ML pipeline for phishing website detection with automated preprocessing, drift monitoring, and optimized classification models.
- Deployed as a FastAPI microservice on AWS with Docker & CI/CD, enabling scalable, real-time protection against malicious websites.

Movie Recommendation System — 05/2024
- Developed a movie recommendation system, improving model accuracy by 20% through API integration.
- Collaborated on algorithm refinement, achieving higher prediction precision.

WORK EXPERIENCE

Research Assistant – GenAI (ChatSSRN) — 08/2025 – Present
- Maintained and enhanced ChatSSRN, a GenAI-powered research assistant leveraging HPC and NLP to efficiently index and retrieve research abstracts.
- Integrated 2024–2025 datasets, improving model accuracy, freshness, and relevance of academic literature recommendations.

Teaching Assistant – *Algorithm Engineering & Data Mining* (*Southern Methodist University*) — 08/2025 – Present
- Assisted in teaching advanced concepts in algorithms, data mining, and data-driven problem solving.
- Guided students on assignments and projects involving Python, R, and SQL for data analysis and algorithm implementation.
- Conducted office hours and provided academic support to students.

***Maxgen Technologies Pvt. Ltd.,** Data Science Intern* — 10/2023 – 04/2024
- Developed Python scripts for data analysis, ensuring timely and accurate project deliverables.
- Applied NLP techniques and data science methods to support advanced analytics projects.

VOLUNTEER: **Youth United Council of India** (2023–2024), **Tare Zameen Foundation** (2023), **Hamari Pehchan NGO** (2023)

UNIVERSITY INVOLVEMENT: Artificial Intelligence Club at SMU, Statistics & Data Science Club, Badminton Not Bad
HOBBIES: Coding, Badminton, Fitness, Reading books