

M.TOUSEEF BANU

DATA SCIENCE | MACHINE LEARNING | PYTHON | SQL

CONTACT

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EDUCATION

2022 - 2026

MUFFAKHAM JAH COLLEGE OF
ENGINEERING

- Computer Science & Engineering
- GPA: 8.3 / 10

2020 - 2022

SRI CHAITANYA COLLEGE

- Intermediate
- 953 Marks

SKILLS

- Python
- Data Science
- SQL
- Data Analysis & EDA
- Pandas, NumPy, Matplotlib, Seaborn
- NLP & RAG
- Intermediate Machine Learning
- Model Evaluation
- Basic Deep Learning & Neural Networks

EXTRA CURRICULUM

- Chief Coordinator – CSI (Computer Society of India)

OBJECTIVE

Final-year CSE student specializing in Data Science and Machine Learning, with strong skills in Python, SQL, and analytics. Seeking entry-level DS/ML roles or internships (PPO) to apply data-driven problem-solving skills in real-world systems.

PROJECTS

StudyGenie

AI Classroom Assistant

- Designed and developed an end-to-end AI-powered EdTech system integrating data science, machine learning, and NLP to enhance classroom learning and academic insights. Built ML pipelines for automated attendance, student performance analytics, and academic risk prediction using engagement, assessment, and attendance data. Implemented a RAG-based doubt-solving system, lecture transcription, summarization, flashcard and quiz generation, and analytics dashboards to identify learning gaps, topic difficulty, and personalized improvement recommendations for students and instructors.
- Enabled data-driven academic insights through predictive analytics, personalized recommendations, and explainable dashboards.

Skill Sphere

AI-Driven Career & Skill Intelligence Platform

- Designed an end-to-end AI and data-driven career intelligence system to analyze user profiles, identify skill gaps, predict employability, and recommend personalized career paths based on job market trends. Implemented NLP-based resume parsing, ML-driven skill gap analysis, role recommendation pipelines, employability scoring, and analytics modules for career risk, role saturation, and skill transferability, with explainable insights from a recruiter's perspective.
- Transformed resume data and market trends into explainable career insights, employability predictions, and personalized learning roadmaps to support informed career decisions.

Insight Ledger

Enterprise-Scale Business Intelligence & SQL Analytics Platform

- Designed and implemented a SQL-first enterprise analytics platform with a well-modeled data warehouse using star and snowflake schemas to centralize transactional data. Built advanced SQL pipelines for KPI computation (MRR, churn, ARPU, LTV), cohort and funnel analysis, historical tracking using Slowly Changing Dimensions, and performance-optimized queries. Extended the system with forecasting, multi-dimensional drill-down analytics, data quality validation, KPI lineage, and scenario-based what-if analysis to deliver fast, reliable, and explainable business insights.