Michael Shibu

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Education:
University of Houston
Bachelor of Science, Computer Science

Expected graduation May 2027

Technical Skills/Scholarships:
Data & Analytics: SQL(MySQL), Data Modeling, Data Cleaning, Query Writing, Data Analysis
Programming: Python, C++, JavaScript
Tools: Git, Github, REST APIs,
Database: Oracle, SQL Server, GitHub
Reporting Tools: MS Excell, Power BI
Relevant Coursework: Database Management, Big Data Analytics, Distributed Systems, Cloud Computing, Data Structures & Algorithms, Fund. AI intelligence, Operation Systems, Software Design
Scholarships Awarded: Texas A and M Century Plus Scholarship- 40K, UT Dallas Academic Excellence Scholarship- 15K

Projects:
Museum Database & Analytics Project: https://homiesmuseum.site
- Cleaned and structured raw data to improve query efficiency and data consistency
- Translated real-world requirements into database schemas and analytical queries
- Gained hands-on experience using SQL to turn stored data into meaningful and useful insights

Sales & Customer Data Analysis (SQL + Python)
- Created a structured dataset simulating customer transactions and sales records
- Used SQL to calculate revenue trends, customer frequency, and product performance
- Performed data cleaning and analysis using Python to identify patterns and outliers
- Generated summary statistics to support data-driven business decisions

Reddit Data Analysis Bot
- Built a Python program to collect and analyze Reddit posts and comments
- Filtered large volumes of text data to identify keyword trends and engagement levels
- Structured unorganized text data for easier analysis
- Strengthened experience working with real-world, messy datasets

Autocorrect NLP Analysis Tool
- Developed a Python-based tool to analyze text input and correct spelling and grammar
- Processed unstructured language data to identify common error patterns
- Improved accuracy by combining rule based logic with pre-trained NLP models
- Built understanding of how data quality impacts model performance

Live Code Reloading System (C++)
- Designed a modular C++ library supporting runtime updates
- Focused on performance, reliability, and maintainability
- Strengthened logical reasoning and debugging skills

Work Experience:
-Outlier AI- AI efficiency trainer/ prompt engineer

Oct. 2025 – present/contract

Trained large language models (LLMs) to improve computational accuracy, data relevance, and contextual output in analytical domains, enhancing AI driven business applications
-UH intrmurals referee-

Sep. 2025- present

Refed basketball, soccer, and volleyball games for intramural tournaments.

Additional Info:
Languages: English- native, Malayalam- native, Spanish- professional working fluency
Interests: Basketball, finance, crypto, stock market, AI