

Sarvesh Milind Ingale

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EDUCATION

University of Texas at Arlington

BSC. COMPUTER SCIENCE (HONORS PROGRAM), CGPA: 3.94, CS GPA: 4.0

Arlington, TX | Expected May 2026

- Tau Beta Pi member and consistently listed on the Dean's List with Honors.
- Math Tutor at UTA Math Department – assist students in foundational and advanced math courses.

WORK EXPERIENCE

GE AEROSPACE | DATA ANALYST INTERN

May 2025 – Present

- Migrating SSRS reports to Spotfire dashboards for improved visualization and reporting.
- Exploring data sources and integrating AWS Redshift and Oracle ODS for report generation.
- Optimizing MES database and resolving integration issues with KRONOS, Oracle ERP (WebMethods), and Proficy client.

UNIVERSITY OF TEXAS AT ARLINGTON | UNDERGRADUATE RESEARCH ASSISTANT

May 2025 – Present

- Undergraduate Research Assistant under Dr. Christoph Csallner, contributing to a dark pattern detection project and participating in the MSR 2026 Mining Challenge, analyzing AI agent-generated pull requests to uncover workflow patterns and their implications for software engineering.
- Built preprocessing pipeline using Python, Pandas, Matplotlib, GitHub, LaTeX, LLMs, GNNs, and prompt engineering.

UNIVERSITY OF TEXAS AT ARLINGTON | MATH TUTOR (PART-TIME)

March 2024 – Present

- Provided tutoring to undergraduate students in various math courses, enhancing their understanding and performance.

PROJECTS

Stock Recording System Android App

KOTLIN, FIREBASE, SQLITE, COCOMO II

DEVELOPED A STOCK MANAGEMENT APP WITH TRANSACTION TRACKING, TRADE ANALYSIS, AND WATCHLIST SUPPORT. APPLIED COCOMO II FOR EFFORT ESTIMATION AND FOLLOWED WATERFALL MODEL IN A TEAM OF FOUR.

Custom Linux Shell

C, SHELL PROGRAMMING

IMPLEMENTED A BASIC SHELL THAT SUPPORTS COMMAND EXECUTION, REDIRECTION, AND DIRECTORY CHANGES.

Convex Hull Visualization

C, PYTHON, MATPLOTLIB

IMPLEMENTED GRAHAM'S SCAN ALGORITHM AND VISUALIZED THE CONVEX HULL OUTPUT USING PYTHON PLOTS.

Facial Recognition using PCA

PYTHON, NUMPY, MATPLOTLIB

IMPLEMENTED PCA-BASED FACIAL RECOGNITION USING EIGENFACES WITH RECONSTRUCTION AND SVD ANALYSIS.

Library Management System

JAVA, PYTHON, MYSQL, SQLITE, TKINTER

BUILT LMS APPS USING BOTH JAVA AND PYTHON WITH OOP, DATABASE SUPPORT, AND GUI VIA TKINTER.

SKILLS

Programming Languages: Python, Java, C, C++, Kotlin, Assembly

Tools & Frameworks: Android Studio, Firebase, Tkinter, LaTeX, GitHub, Spotfire, SSRS

Databases: SQLite, MySQL, AWS Redshift, Oracle ODS, FAT32 File System

Development: Mobile App Development, Shell Programming, Report Migration, Integration Debugging

Data Science & ML: Pandas, NumPy, Matplotlib, PCA, GNN, Prompt Engineering, LLMs