

Faris Hittiny

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EDUCATION

Texas A&M University

Bachelor of Science in Computer Engineering, GPA: 3.63

College Station, TX

Expected May 2027

EXPERIENCE

AI/ML Engineering Intern – Aramco Americas

Houston, TX

Digital & Information Technology

May 2026 – Present

- Developed and enhanced enterprise billing management applications using **C#, .NET, Entity Framework Core, SQL Server**, and Open XML SDK.
- Automated invoice processing for AT&T, Verizon, and T-Mobile carrier billing data, replacing manual reconciliation steps in the Cellbill Manager platform.
- Built AI-powered invoice extraction and document understanding solutions on **Azure OpenAI (GPT-5.6 Terra)**, with anonymized datasets and validation pipelines to evaluate model output at scale.
- Designed an AI Interview Scheduling Agent in **Microsoft Copilot Studio**, integrating Azure OpenAI with **SAP SuccessFactors** to automate candidate scheduling.
- Debugged database, API, networking, and proxy-authentication failures across enterprise environments, documenting fixes and handoff procedures for the development team.

AI/ML Undergraduate Research Assistant – Texas A&M University

College Station, TX

AI/ML Models for Disease Management in Animal Systems

May 2025 – May 2026

- Processed and labeled >10,000 images from 4+ months of continuous video, creating scalable datasets for training/validation.
- Developed and benchmarked **10+** deep learning models (YOLO, Mask R-CNN, Detectron2), achieving ~95% accuracy in object identification.
- Automated pipelines that reduced manual preprocessing time by >60% within an 11-member team, using Git and HPC scheduling (Slurm) for reproducibility.

PROJECTS

Boba Shop Point-of-Sale System – CSCE 331 (Software Engineering)

Fall 2025

- Built a full-stack point-of-sale and inventory system supporting cashier, manager, and customer-facing views.
- Designed a normalized PostgreSQL schema and REST API (Node.js/Express) driving live order entry, inventory depletion, and sales reporting.
- Added Google OAuth login, translation, and weather API integrations for accessibility, delivering across Agile sprints in a 5-member team.

AI-Driven Demand Mapping – Tidal Hackathon (Top 10)

Fall 2024

- Built a Python/AWS ML pipeline analyzing 50,000+ sales records to recommend warehouse locations for Amazon sellers.
- Visualized geospatial and sales-trend data, improving delivery efficiency by an estimated **20%**; ranked Top 10 of 200+ teams.

RISC-V Accelerator on Zephyr

github.com/FarisHittiny

- Designed a 6-register accelerator in Verilog with an AXI-Lite interface, integrated into a LiteX SoC.
- Built and validated a Zephyr RTOS driver through 100+ Renode/Verilator simulations, benchmarking checksum workloads for a **3× speedup** over software-only execution.

LEADERSHIP & INVOLVEMENT

Membership Chair – Arab Student Association (ASA), Texas A&M University

2026 – Present

- Lead membership recruitment, onboarding, and retention for one of the largest cultural organizations on campus.
- Coordinate meetings and cultural events with the officer board; built and maintain the organization's website (HTML/CSS/JS, Cloudflare Pages).

TECHNICAL SKILLS

Machine Learning & AI: PyTorch, YOLOv8, Detectron2, OpenCV, Azure OpenAI, GPT-5.6 Terra, scikit-learn

Programming & Systems: Python, C#, .NET, C++, C, JavaScript, SQL, Bash, MATLAB, Git, Linux, Docker, CI/CD

Web & Databases: Node.js, Express, REST APIs, PostgreSQL, SQL Server, Entity Framework Core, Open XML SDK

Cloud & Enterprise Tools: AWS, Microsoft Copilot Studio, Microsoft 365 Copilot, SSMS, Visual Studio, VS Code

Embedded & Acceleration: Verilog, FPGA Prototyping, LiteX, Renode, Verilator, Zephyr RTOS