Ayad Masud

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Education

Texas A&M University — College Station, TX
Bachelor of Science in Computer Science, Minor in Statistics: GPA: 3.77 — *Aug. 2023 – Present (Grad: 2027)*

Plano Senior High School — Plano, TX
GPA: 3.9/4.0 — *Aug. 2021 – May 2023*

Technical Skills

Languages: Python, C++, Java, Swift, R, JavaScript, TypeScript, HTML/CSS
Libraries: Matplotlib, OpenCV, NumPy, BeautifulSoup, pandas, Selenium, Tensorflow, Flask
Courses: Artificial Intelligence, Data Structures and Algorithms, Database Systems, Machine Learning

Experience

Microsoft — May 2026 - Aug. 2026
Software Engineering Intern — *Redmond, WA*

- To be completed Summer 2026

Microsoft Explore — May 2025 - Aug. 2025
Software Engineering + Product Management Intern — *Redmond, WA*

- Designed and developed a customer-facing **Least Privilege Recommender** in the Microsoft Entra portal to enhance **identity security** and reduce **over-privileged access**.
- Cooperated and incorporated feedback from full-time engineers to ensure project met customer needs.
- Learned to leverage Azure services such as **Semantic Kernel** and **Azure OpenAI** to integrate LLM capabilities into the project.
- Utilized **Kanban** methodology to deliver **POC** and **presentation** to demonstrate impact of the project.

TAMU RoboMasters Computer Vision Team — Sept. 2024 - Feb. 2025
Team Member — *College Station, TX*

- Working in a team to develop computer vision capabilities, such as auto-aim, localization, and icon detection for RoboMasters competition
- Built computer vision algorithms to detect numbers on enemy armor plates with a **90%** accuracy rate.
- Optimized algorithm to compute classification for a frame in **30ms**, a **22%** decrease in computation time compared to previous method.

Projects

CORTEX | *Swift, OpenCV, MongoDB, ARkit, CoreML* — January 2026

- Placed **1st Place** at TAMUHack (Over 650 participants)
- Built an **end-to-end** smart travel assistant that tracks personal items and checked luggage using **Computer Vision** inside airports without hardware tag and notifies user when it arrives and at which carousel.
- Implemented an **AR + computer vision pipeline** to detect when users set items down and guide them back via a 3D terminal view.
- Developed a **low-latency** voice agent with **sub-2s** responses using **Gemini 2.0 Flash + ElevenLabs**, integrated with airline APIs for instant gate and flight info.

FindMoto | *Python, Notion API, Selenium, CronJob* — July 2024

- Placed **1st Place** in TACS Hackathon
- Built a **Notion integration** that automates fetching motorcycle deals from Facebook Marketplace.
- Implemented Python + Selenium scripts to extract and structure fresh listing data.

Ember | *Python, Flask, React, Plotly, OpenAI API, REST-API, Github* — Jan. 2025

- Placed **2nd place** in ARM challenge at TAMUHack.
- Worked in a team setting to develop a damage cost visualizer for the LA fires and mapped to an interactive map.
- Called API endpoints from government databases to retrieve data on fire damage to properties.

- Utlized OpenAI API to generate a more robust analysis of the data.

LLM Rate My Professor | *Google Gemini/PaLm API, Python, Selenium, Flask, HTML, CSS* Dec. 2023

- Developed a full-stack web app to summarize Rate My Professor reviews.
- Utilized Selenium to scrape all reviews for a given professor.
- Leveraged Google's **Gemini LLM model** to summarize scraped reviews into coherent summaries.

Certifications

Ruby on Rails: Linkedin January 2026
Machine Learning with Python: Coursera May 2024
Introduction to Generative AI: Google June 2024
Introduction to R: DataCamp August 2024