

Ayad Masud

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EDUCATION

Texas A&M University

Bachelor of Science in Computer Science, Minor in Statistics: GPA: 3.88

College Station, TX

Aug. 2023 – Present (Grad: 2027)

Plano Senior High School

GPA: 3.9/4.0

Plano, TX

Aug. 2021 – May 2023

TECHNICAL SKILLS

Languages: Python, C++, Java, R, JavaScript, TypeScript, HTML/CSS

Libraries: Matplotlib, OpenCV, NumPy, BeautifulSoup, pandas, Selenium, Tensorflow, Flask, Material-UI

Courses: Intro to Program Design, Data Structures and Algorithms, Linear Algebra, Discrete Math

EXPERIENCE

Microsoft Explore

SWE + PM Intern

May 2025 - Aug. 2025

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

Team Member

Sept. 2024 - Present

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.

Headstarter AI

Fellow

July 2024 – Sept. 2024

Plano, TX

- Over the course of 7 weeks worked on 5 AI related projects in a team of 4 developers.
- Participated in Hiring Hackathon and placed top 20 among 500 teams.
- Used Flask, OpenAI, Stripe, Firebase, Clerk, and other technologies to develop full stack web projects.
- Received feedback from software engineers, improving code quality, project management, and communication skills

PROJECTS

Ember | Python, Flask, React, Plotly, OpenAI API, REST-API, Github

Jan. 2025

- 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.
- Utilized OpenAI API to generate a more robust analysis of the data.
- Placed **2nd place** in ARM challenge at TAMUHack.

H.AI.R | Python, Flask, Hugging Face, HTML, CSS, Vercel

July 2024

- Developed a full-stack web app to recommend hair care products to users based on their hair type.
- Utilized Hugging Face models to classify hair types.
- Placed **top 20** in Headstarter Hiring Hackathon.

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

Machine Learning with Python: Coursera May 2024

Introduction to Generative AI: Google June 2024

Introduction to R: DataCamp August 2024