

# Ayad Masud

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## EDUCATION

### Texas A&M University

*Bachelor of Science in Computer Science, Minor in Statistics: GPA: 3.83*

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, HTML/CSS

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

**Courses:** Intro to Program Design, Data Structures and Algorithms

## EXPERIENCE

### 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

### 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 competitio
- Working specifically on icon detection using OpenCV.
- Implementing machine learning models to help with faster and more accurate detections.

### Aggie Research Scholar Program

*Researcher*

Aug 2024 – Sept. 2024

*College Station, TX*

- Under the guidance of PHD students, worked on insole gait analysis and fall prediction using sensor data.
- Cleaned and prepared data for analysis and fed to pose estimation models.
- Performed analysis along other team members to detect falls and analyze gait patterns of construction workers.

### CareNow Pharmacy

*Pharmacy Technician*

May 2024 – Sept. 2024

*Plano, TX*

- Utilized pharmacy software systems for data entry tasks, inventory management, and prescription entry
- Collaborated with healthcare providers to clarify prescription orders and ensure optimal patient care.
- Provided exceptional customer service, addressing patient inquiries regarding prescriptions, dosage instructions, and insurance coverage

## PROJECTS

### 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.
- Leveraged Flask framework and Vercel deployment for fully functioning app.

### Color Detector | *OpenCV, Python, Numpy, PIL (Python Imaging Library)*

May 2024

- Utilized OpenCV and PIL to develop a Python script to live detect colors in a video feed.
- Used Numpy to simultaneously store and manipulate pixel data before detection.
- Leveraged PIL's built in bounding box detection to outline regions of colors that are detected.
- OpenCV functions were used to perform dilations and masking to easily detect colors.

### 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.