

Sheikh Ajmaeen Ahmed

Euleess, Texas | 817-970-4137 | skajmaeenahmed@gmail.com | <https://github.com/Milksheikh> | <https://milksheikh.me/>

EDUCATION

Harmony Science Academy - Euleess

Graduating Class of 2026

TECHNICAL SKILLS

Computer Programs: Proficient in Autodesk Fusion 360, Proficient in Onshape, Intermediate in Adobe Photoshop, Intermediate in Figma

Programming Languages: Proficient in Python, Intermediate in Java, Proficient in JavaScript, Proficient in HTML

Spoken Languages: Proficient in Bangla

PROFESSIONAL & TECHNICAL EXPERIENCE

NeuraBot | *Autonomous AI Assistant Robot*

2025 - Present

- Designed and built an open-source autonomous robot powered by Raspberry Pi 5, Llama3-8B (Groq API), and Llama Vision.
- Programmed voice and image recognition using OpenCV, speech_recognition, and Together.ai to enable multimodal interaction.
- Engineered the robot chassis in OnShape and integrated TT motors, ultrasonic sensors, OV5647 camera, and INMP441 microphone.
- Developed a Flask-based web interface for remote control and task execution, using a custom .txt-based state lock system.
- Published the full project on GitHub to encourage community collaboration, reflecting a commitment to open-source contribution and knowledge sharing.

Code2College | *Participant*

2025 - Present

- Coursework in Software Development Essentials and Elite-101 - introductory course on programming concepts like git, jira ticketing, team collaboration through Miro, Source Control, and basic software testing concepts.
- Collaborated on multiple projects with engineers from top tech companies, gaining exposure to professional communication, feedback loops, and agile teamwork.
- Practiced problem-solving and critical thinking through algorithm challenges and peer code reviews

VEX Robotics Team | *Builder, Programmer & Driver*

2022 - Present

- Joined a newly formed team and helped lead our debut into competitive VEX Robotics, demonstrating initiative and adaptability.
- Designed and built custom robots using VEX hardware; programmed autonomous and driver control systems in VEXcode (Python).
- Tuned PID loops and debugged logic to improve movement precision and reliability.
- Competed in two official VEX tournaments, gaining hands-on experience in team collaboration, strategic thinking, and real-time problem solving.
- Led design sessions and served as the primary driver during matches, showcasing leadership and communication under pressure.

CengarTech | *Backend Developer*

2025

- Built backend for SOAP-note generator using LLMs and speech-to-text (12.8% WER).
- Deployed Crew AI agent to structure clinical notes with 80% accuracy.
- Created OCR pipeline with PyTesseract to extract ID/insurance data into Supabase.

LEADERSHIP & COMMUNITY SERVICE EXPERIENCE

Engineering Club | *President*

2023 - 2025

- Organized and led weekly meetings for 15+ members, coordinating STEM workshops and project planning.
- Managed logistics for competitions, materials, and team assignments, demonstrating organizational skills and leadership.
- Fostered a collaborative environment that encouraged peer mentorship and creative problem-solving.

TAME Competition | *Mechanical Engineer*

2024

- Co-designed clean-energy vehicle for 2024 TAME Regional Engineering Competition, earning Engineering Mindset Award among 105 middle-school and high-school students across 28 teams.
- Served as mechanical engineer, optimizing torque and speed to maximize vehicle performance under competition constraints.

Boy Scouts | *Member*

2023 – 2024

- Completed approximately 40 hours of community service through troop-led initiatives, building a strong foundation in civic responsibility and teamwork.
- Participated in skill-building activities such as camping, navigation, and first aid, developing resilience and adaptability

AWARDS & CERTIFICATIONS

Enterprise Design Thinking Practitioner

2025

IT Specialist Java Certified

2025

TAME Engineering Mindset Award

2024

Python Certified Entry-Level Programmer

2024

Autodesk Fusion 360 Certified User

2024

Certified Responsive Web Design

2024