

Ousmaan Abrar

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Education

Texas A&M University

May 2029

- B.S. in Electrical Systems Engineering Technology.

Work Experience

OZNZO GROUP | Project Coordinator

May 2026 - August 2026

- Renovated an approximately 2,000-square-foot residence by installing flooring and molding throughout the home and finished demolition, tiling, painting, and minor plumbing work.
- Converted failed fluorescent fixtures to single-ended, ballast-bypass LED operation by removing ballasts and routing line voltage directly to the LED tube sockets, restoring garage lighting.

Bisou Memoire | Sales Manager

May 2025 - August 2025

- Managed daily operations of a perfume kiosk in a mall, including opening and closing kiosk, handling cash, tracking inventory, cleaning, and training and new employees.
- Generated approximately \$10,000 in direct sales by demonstrating products and adapting sales pitches to customer needs.

Frisco Sci-Tech Discovery Center | STEM Intern

May 2024 - July 2024

- Served approximately 100 museum guests weekly, teaching children ages 5-12 fundamental robotics and circuitry through hands-on projects.
- Guided students in designing, assembling, and troubleshooting arcade-style projects using batteries, wiring, switches, LEDs, and motors.

Projects

Tactical Audio Assist | Independent Software Project

June 2026 - July 2026

- Built a C# application capturing defined screen regions and uses template matching against self-created reference images to identify Valorant game states.
- Integrated Windows audio-session controls to adjust background-music volume automatically when selected visual events were detected.

DIY CarPlay System | Automotive Infotainment & Embedded Systems

July 2026 - current

- Concluded system research and design files for a Raspberry Pi 5 and 11.6-inch touchscreen retrofit for a 2013 Infiniti JX35, including a custom Linux interface and 3D-printed dashboard plan.
- Designed fused 12V-to-5V power, reversible wiring, and planned integration with physical controls, Bose audio, CAN/OBD-II data, and four factory cameras; installation remains in progress.

Leadership

TAMU FATE | Service Committee Leader

October 2025 - current

- Plan biweekly service projects for 60 first-year members, coordinating community partners, schedules, supplies, and volunteer assignments.
- Completed 20 hours of campus recruitment outreach; leading design and construction of a 12 ft x 12 ft Shackathon structure raising funds for Aggie Habitat for Humanity.

TAMU BUILD | Command Team

February 2026 - current

- Devoting 4+ hours weekly converting shipping containers into transportable medical clinics.

Technical Skills & Awards

- Tools: C, Python, Git, Blender, VS Code
- Design: 3D Modeling, 3D Printing, Soldering
- Awards: National Merit Commended PSAT (1440/1520)