

Noor Ali

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EDUCATION

The University of Texas at Austin, Austin, TX

May 2027

Bachelor of Science in Computer Science

GPA: 3.85

Relevant Coursework: Data Structures, Computer Architecture, Operating Systems, Virtualization, NLP

EXPERIENCE

Coalition Inc., Remote

May 2025 - Present

Backend Engineer Intern

- Reduced time to respond to the median ticket for Customer Success from **5** minutes to **2.5** minutes.
- Worked with LLMs to automate responses to brokers/policyholders, managing large volume requests (over **5000**/month).
- Pipelining Zendesk tickets and enriching agents' actions with a more granular understanding to improve **32%** accuracy.
- Updated APIs to use granular data about tickets and developed a system to return actionable steps for CS agents.
- Utilized Zendesk, Python, Git, Cursor, Docker, Packagecloud, and OpenAI Agents SDK.

Fynopsis, Austin, TX

October 2024 - May 2025

Co-Founder, CTO

- Worked with **3** users who are using the application for professional M&A deals, saving over **20 hours** per deal.
- Part of **Time to Build** and **Longhorn Startup**, both are accelerators filled with many ex-founders and mentors.
- Invited to **Meta's Global Open Source Summit** in Menlo Park, and demoed the product to an international audience.
- A full-stack app including authentication, state-of-the-art UI, an AWS-configured backend, and AI agents. Uses LLMs to agentically search a hybrid graph-RAG DB with secure company documents and cite answers for M&A analysts (fynopsis.ai).
- Allows storage of important financial information necessary for transacting companies or the formulation of company value.
- Utilizes React, Next.js, DynamoDB, Lambda, Cognito, API Gateway, Typescript, Python, Langgraph, Docker, and SQL.

UT Austin, Austin, TX

March 2024 - March 2025

Undergraduate Researcher

- Developed a multi-agent system in Python for roaming robots in ROS to interact with each other and other humans using LLMs, which increased human interaction by **20%**.
- Built real-time 3D semantic mapping software for objects with **82%** accuracy on RTX 4090 with an average **229 ms** response time to improve the robot's environmental context.
- Conducted research under Dr. Justin Hart in the Human-Robot Interaction lab and the Living with Robots lab.
- Utilizing BWI bots, ROS, Azure Kinect, NVIDIA CUDA, Python, and C++.

Trend Micro, Austin, TX

June 2024 - August 2024

Software Research and Development Intern

- Implemented cost-saving on AWS with AWS CDK to delete old resources, which initially saved up to **\$300,000** in monthly expenses. Applied to multiple AWS accounts to track the resources' uptime.
- Increased efficiency in clearing out resources by over **90%**, saving days of otherwise clean-up time.

LEADERSHIP & COMMUNITY INVOLVEMENT

Texas Luminescence, Austin, TX

September 2023 - Present

Director of Membership and Recruitment

- Built a website (**texasluminescence.org**) with an application portal, project hub, and calendar events.
- Hosted on AWS and routed all traffic for the website. Contains detailed information about the club.
- Recruitment via tabling and campus advertisements led to over **400** applications, with an acceptance rate of **8%**.
- Hosted monthly social events that brought in **45%** of members, increasing rapport among the club.

PROJECTS

SimpliFill

- Created a full-stack app that allowed non-native English speakers to fill out common government forms with their existing personal documents (Hybrid Graph-RAG retrieval) and translate fields to responses and back (LLMs) for form-specific fields.
- Hackathon project competing in the **Meta Llama Impact Hackathon** in Austin, winning **1st place** among over 150 others.

Linux Incus

- Implemented underlying SQL code generation logic for improved compile times and maintainability across the project.
- Contributed to Linux open source image (<https://github.com/lxc/incus>) with over **3.7k** stars.

SKILLS

Technical /Computer Skills: Python, JAVA, C, JavaScript/HTML/CSS, React, Node.js, TypeScript, AWS, Azure, GCP, Cursor