

# Aayush Garg

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## EDUCATION

**Texas A&M University | Craig and Galen Brown Engineering Honors** College Station, TX  
*Bachelor of Science in Computer Science with Minor in Statistics* May 2026  
**Relevant Coursework:** Data Structures & Algorithms, Software Engineering, Competitive Programming, Computer Systems, Computer Architecture, Machine Learning, Cloud Computing  
**Clubs/Organizations:** Aggie Guide & Service Dogs, Texas A&M Computing Society

## EXPERIENCE

**Microsoft** May 2024 - August 2024  
*Software Engineering Intern* Redmond, WA

- Implemented fix to **preserve last known good state of policies** for device groups in **Microsoft Intune** using **C#/NET framework**, impacting over **500 million user devices** and resolving a critical client-facing issue
- Developed **signaling system for policy computation completion**, enabling sequential group policy updates
- Contributed to **Ring 0 infrastructure**, working on **monolith and microservices** architectures under **GnT**

**Lockheed Martin** June 2023 - August 2023  
*Quality & Software Engineering Intern* Fort Worth, TX

- Streamlined investigation processes by **developing software** with **Selenium** and **BS4**, arranged in Word Documents to **reduce time** spent in daily morning meetings by **approximately 75%** (2 hours to 30 minutes)
- Leveraged **Tableau** and **SQL** for **data extraction and visualization** in **50+ categories** every month to provide updates to the F-35 Flight Line operations director

**Texas A&M University, College of Engineering** January 2023 - Present  
*Teaching Assistant* College Station, TX

- Mentoring 400+ students** and helping in the understanding of class material, focused on **Python**
- Supporting a professor in **grading exams/labs**, deliver detailed feedback to **help students** improve knowledge

**Texas A&M Computing Society (ACM Chapter)** October 2022 - Present  
*President* College Station, TX

- Develop** and **present technology workshops** (10+) for 100+ students, to help teach fundamental concepts
- Outreach** to **20+ companies** and **professionals**, such as Apple, Amazon, Capital One to give tech talks
- Organized a **100+ person hackathon event, Build4Good**, to enable development in areas of good with **Notion**

## PROJECTS

**PeerEdu** | *React, Flask, sockets, Electron, OpenCV, Javascript, Locust, Redis, MongoDB* March 2023 - Present

- Developing a **React-Flask web app** and **Electron desktop app**, utilizing **Locust** for stress-testing
- Uplifted **server efficiency by 80%** using **Redis**, utilizing **MongoDB Cluster** for data retrieval/storage
- Launched an **AI-assisted learning platform** to enhance student-teacher engagement, enable **anonymous Q&A** and provide support for **auto generated live polling questions** for **200+ students**

**Glaid** | *Flask, Python, Azure, Docker, CockroachDB, HTML/CSS, Javascript* January 2023 - August 2023

- Built a website for **generating study tools** such as flashcards and quizzes from notes and audio using **NLP**
- Integrated **OCR technology** for creating the study tools and developed a **chatbot using embeddings**
- Attracted **5,000+ users** and earned **\$5,000 in grants** from the I-Corps NSF Program at Texas A&M University

**Bloomberg INDG Challenge** | *CockroachDB, Python, Pandas, SQL Alchemy* October 2022

- Utilized a **Bloomberg API** to **request embeddings** from **100k+ articles** and stored them on CockroachDB
- Compared 5 mystery embeddings** to the database and adopted **Cosine similarity** to find relative similarity

## TECHNICAL SKILLS

**Languages & Frameworks:** Python, C/C++, Java, JavaScript, HTML/CSS, NoSQL, Flask, React, Electron  
**Developer Tools:** Azure, Redis, Docker, Google Cloud, Ubuntu, Linux, Git, CI/CD Pipeline, Locust, Hetzner  
**Libraries:** Selenium, BS4, sockets, pandas, numpy, MongoDB, CockroachDB, Tesseract

## ACHIEVEMENTS

- Achieved **1st place** in the highly competitive **Bloomberg INDG Challenge** during the **TAMU Datathon**
- Pitched PeerEdu** at AggiePitch to a crowd of investors and alumni at Texas A&M University as an Elevator Pitch
- Received **\$2,500 grant** from the **Meloy Engineering Innovators** entrepreneurship program at Texas A&M
- Hacked at **Stanford's TreeHacks Hackathon Event** ([TreeHacks Devpost](#)) with an EdTech project