Aaryan Dehade

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EDUCATION

Texas Christian University (TCU) — Fort Worth, TX
Bachelor of Science — **May 2025**
Majors: Computer Science and Mathematics — **GPA: 3.830**
Relevant Coursework: Deep Learning, Software Engineering, Parallel Programing, Calculus 3, Graph Theory

EXPERIENCE

Interim Engineering Intern, **Qualcomm**, *San Diego, CA* — **May 2024 – August 2024**
- Successfully delivered **4 critical features** on time by managing projects effectively.
- Enhanced user **productivity** by **over 100%** through implementing new software solutions.
- Reduced meeting **time** by **20%** by leading a team of **5 interns** to implement an **AI-powered application**.
- Increased intern **event attendance** by **50%** by driving initiatives on the **Intern Committee**.

Community Manager, **TCU**, *Fort Worth, TX* — **August 2024 - Present**
- **Increased** resident **involvement** by **80%** through innovative programming and **community building**.
- Achieved **100% retention** rate for a team of **6 community assistants** by providing effective leadership.
- **Reduced** residence hall **costs by 50%** through optimized resource allocation and inventory management.

Interim Engineering Intern, **Qualcomm**, *San Diego, CA* — **May 2023 – August 2023**
- Optimized **development efficiency** for **5+ teams** by **20%** through component-based architecture.
- **Accelerated** frontend **delivery by 50%** by adopting a micro-frontend architecture.
- Ensured timely project completion by successfully **leading 3 projects** using **Agile methodologies**.

PROJECTS
more at www.github.com/dehadeaaryan/

DropThatClass.com (**Typescript, React, Node.js**) — **March 2024 – November 2024**
- Projected to **reduce class drop rates** by **25%** through continuously updated course insights.
- Designed to **increase student engagement** by **30%** with real-time, peer-driven class reviews.

Rabbit-Fox Island Simulator (**C, OpenMP**) — **April 2024 – May 2024**
- **Simulated** predator-prey dynamics for **3 species** over **1,000+ iterations** using **parallel processing.**
- **Achieved** a maximum **2x speedup** by improving data throughput and **parallelizing computation**.

SuperFrog Scheduler (**Vue.js, Java**) — **April 2024 – May 2024**
- **Led** a team of **5 students** to deliver a full stack booking app for the university mascot in **1 month**.
- **Increased** scheduling efficiency by **50%** by **streamlining the booking process** with a centralized app.

Discord-bot-maker (**Python**) — **August 2021 – November 2022**
- Developed an **open-source Python library**, garnering **over 1,000 downloads per month.**
- Facilitated creation of fully customizable bots in **under 10 lines** of code.

HONORS AND LEADERSHIP
- Achieved the **TCU Scholar Award** (2022) and earned **Dean's Honor List** inclusion (2022 - 2024).
- **MongoDB Associate Developer** certificate from MongoDB (2024).
- **Represented the university** on a Math Podcast (2023) following **faculty nomination**.
- **Mentored an iOS Course**, contributing to the development of fellow students (2021 – 2022).

SKILLS
- **Programming Languages:** JavaScript, TypeScript, SQL, Python, Java, C, C++, Swift, Assembly
- **Frameworks & Libraries:** React, Vue, Webpack, Tailwind, Django, Selenium, PyTorch, Pandas
- **Tools & Other:** Git, Docker, Azure, Postman, Linux, Unix, Unity, Godot