

Aaryan Dehade

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EXPERIENCE

Interim Engineering Intern, Qualcomm, San Diego, CA May 2024 – August 2024

- Delivered **4 critical features** on time by managing multiple projects simultaneously.
- Boosted user **productivity** by **over 100%** through implementing optimized REST API routes.
- Led a team of **5 interns** to implement an **AI-powered application**, reducing meeting **time** by **20%**.
- Increased intern **event participation** by **50%** by driving initiatives on the **Intern Committee**.

Community Manager, TCU, Fort Worth, TX August 2024 – Present

- Accelerated** resident **engagement** by **80%** through innovative programming and **community building**.
- Achieved **100% retention** rate for a team of **6 community assistants** by providing effective leadership.
- Cut operational costs** by **50%** through collaboration and optimized resource management strategies.

Interim Engineering Intern, Qualcomm, San Diego, CA May 2023 – August 2023

- Optimized **development efficiency** by **20%** for **5+ teams** through component-based architecture.
- Accelerated** frontend **delivery** by **50%** by spearheading adoption of micro-frontend architecture.
- Successfully **managed 3 projects** ensuring timely delivery using **Agile methodologies**.

PROJECTS

more at www.github.com/dehadeaaryan/

Patent Classification Model (TensorFlow, Keras, BigQuery) January 2025 – Present

- Led the development of a **multi-input deep learning model** with **99% top-5 accuracy**.
- Reduced model training time** by **40%** through optimized embeddings and a custom data pipeline.

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 up to 2x speedup** through data optimization and **computation parallelization**.

Discord-bot-maker (Python) August 2021 – November 2022

- Developed an **open-source Python library**, downloaded **over 1,000 times monthly**.
- Facilitated creation of fully customizable bots in **under 10 lines** of code.

EDUCATION

Texas Christian University (TCU) Fort Worth, TX

Bachelor of Science May 2025

Major: Computer Science; Minor: Mathematics GPA: 3.8

Relevant Coursework: AI, Deep Learning, Data Mining, Parallel Programming, Web Technologies, OOP

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:** ReactJS, Vue, Webpack, Tailwind, Django, Selenium, PyTorch, Pandas
- Tools & Other:** Git, Docker, AWS, Azure, Postman, Linux, Unix, Unity, Godot, MongoDB, Redis