

Sarvesh Karunakaran

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EDUCATION

Texas A&M University

Aug 2022 – May 2026

Bachelor of Science in Computer Engineering

College Station, TX

- Coursework: Data Structures & Algorithms, Software Engineering, Database Systems, Computer Networks, Computer Graphics, Advanced Algorithms, Programming Languages, Human-Computer Interaction.

SKILLS

Languages: Python, C++, Java, Javascript, SQL, Typescript, C#, Golang, Swift

Frameworks: React, Angular, Node.js, React Native, Next.js, .NET, FastAPI, Springboot, Flask

Technologies: Git, Docker, AWS, Firebase, Linux, Tensorflow, PyTorch, OpenCV

Certifications: DataCamp: Intermediate SQL, Intermediate Docker

EXPERIENCE

Lockheed Martin

June 2025 – Aug 2025

Software Engineering Intern

Marietta, GA

- Built & deployed full-stack internal tools using Angular, .NET, and MSSQL, increasing tracking efficiency by **50%**.
- Cut feature implementation time by **~25%** by authoring modular C# middleware APIs & refactoring legacy code.

Scale AI

Feb 2025 – Aug 2025

Engineering Intern – GenAI (Contract)

San Francisco, CA

- Solved **60+** abstract competitive programming problems in C++ to train/improve LLM reasoning & performance.
- Built internal validation tools to detect and fix **200+** chain-of-thought failures in frontier GenAI reasoning tasks.

Lockheed Martin

June 2024 – Dec 2024

Software Engineering Intern

Marietta, GA

- Built & deployed a full stack CRUD app used daily by **30+** executives using Angular, SQL, and AWS EC2.
- Utilized Alteryx to build automations and embedded Tableau to visualize data metrics used by **5+** teams.

PipeIQ

June 2023 – Aug 2023

Software Engineering Intern

Palo Alto, CA

- Built a Python-based AI retrieval-augmented generation (RAG) sales agent, increasing waitlist signups by **150%**.
- Developed reusable Next.js components in Typescript, reducing load times by **50%**, improving user experience

PROJECTS

6x Hackathon Winner (sarveshk.vercel.app) | *React, Python, REST APIs*

Aug 2022 – Present

- 1st Place, TamuHack26 – Cross-platform, low-latency agentic AI tool for airline workers; won among **500** hackers.
- 1st Place, Build4Good25 – React Native AI-therapy app with OpenAI API + FastAPI; won among **90** hackers.

RoomIQ (useroomiq.com) | *Next.js, FastAPI, PyTorch, AWS S3*

May 2025 – Present

- Built AI full-stack Next.js & Node.js app to redesign your room, with payments & authentication integrated.
- Utilized S3 for media uploads and PyTorch for backend logic, ensuring reliable performance for **1000+** users.

Roblox Game | *Lua, UI/UX Design*

June 2022 – Dec 2022

- Designed & developed an online multiplayer game, handling **200,000+** total users, using Roblox Studio and Lua.
- Engineered efficient algorithms for mobile gameplay optimization, achieving a **400%** increase in game performance.

LEADERSHIP & INVOLVEMENT

TIDALTamu | *Vice President*

Feb 2024 – Present

- Led **15** officers, drove **600k** media views & **500+** hackathon signups, and won "Student Organization of the Year".
- Teach weekly ML workshops and help manage partnerships with AWS, Microsoft, Google Cloud, and Jane Street.

Figma | *Campus Leader*

Aug 2025 – Present

- Spearheaded product workshops and events to introduce **100+** students to Figma, boosting product adoption.
- Planned & executed cross-organization partnerships to integrate Figma into case competitions and club projects.