

Shriya Kalyan

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EDUCATION

The University of Texas at Dallas Richardson, Texas

2024 - 2028

B.S., Computer Science

- **GPA:** 3.98, Dean's List and Academic Excellence Scholarship recipient

RELEVANT EXPERIENCE

Tech Me Kid

Jul 2024- Present

Software Engineering Intern

- Built a full-stack booking platform (React, JavaScript, Python) used by 15,000+ seniors, supporting secure, API-driven scheduling
- Implemented backend logic to auto-match users by preferences, time zones, and availability, handling real-world edge cases

Outamation @ Extern

Jun 2025 - Present

AI & Workflow Automation Extern

- Built OCR and retrieval pipelines to process 200+ page mortgage documents using Tesseract, PaddleOCR, PyMuPDF, and RAG, cutting manual review time by ~70%.
- Developed and evaluated a Python-based document retrieval system with LlamaIndex, tuning chunking and LLM selection.

Smartility

Aug 2024 - Feb 2025

Software Testing Intern

- Supported reliability of production IoT-backed community applications deployed across five gated communities, assisting with issue identification, testing, and system reliability.
- Worked with engineers and stakeholders to validate system requirements, improve data traceability, and explore AI-based modernization of legacy workflows.

Monash University

Jun 2023 - Jul 2023

Bioinformatics Research Intern

- Analyzed genomic sequencing data and assembled bacterial genomes using Linux-based pipelines (SPADEs, Velvet, Abyss), working with C, Bash, Perl, and Python. Presented findings to the genomics department.

PROJECTS

Materna

Jan 2025 – Present

Founder and Developer

- Built a maternal health app with symptom tracking and wellness insights that won the Axxess Hackathon among 350+ participants.
- Leading a 45-person team from ideation to MVP and have currently secured 104 waitlist users pre-launch.
- Conducted user research to refine React components; developed backend powered by Django, Firebase, and PostgreSQL.

Lumina @ ACM Projects

Sep 2024 - Nov 2024

Frontend Developer

- Built Figma UI and React Native frontend for a personalized astronomy app powered by AWS, earning Best Design from industry pros.
- Integrated real-time astronomy APIs for celestial event tracking and optimized backend data for seamless visualization.

SKILLS

- **Languages:** Python, Java, JavaScript, C++, SQL
- **Frameworks & Tools:** React, React Native, REST APIs, Git, Linux
- **Cloud & Systems:** AWS, Firebase, PostgreSQL, Relational Databases, Computer Architecture

LEADERSHIP

University of Texas at Dallas

Aug 2025 - Present

PLTL (Peer Led Team Learning) Calculus Tutor

- Led weekly problem-solving sessions for 25 students, breaking down complex concepts, asking redirecting questions and tracking common failure points to improve student understanding.

VisioNari

Apr 2025 – Aug 2025

Technical Lead

- Built backend-backed registration and data collection workflows using Flask and JavaScript for a multilingual platform supporting 250+ users.
- Owned system design, form validation, and deployment, reducing manual processing and enabling scalable onboarding.

Girls in Code SEA

Nov 2022 – Aug 2023

Project Manager

- Led Python programming workshops for female coders across 8 countries, introducing core programming concepts and tooling.
- Coordinated teams to deliver technical events and expand participation across Southeast Asia.