

# 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.