

Dulani Palihapitiya

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EDUCATION

Texas Tech University, Lubbock, Texas

Expected Graduation: Spring 2025

Bachelor of Science in Computer Science, Minor in Mathematics

GPA: 4.0

TECHNICAL SKILLS

Languages: Python, C, Java, HTML/CSS, JavaScript, SQL

Frameworks/Databases: Next.js, Node.js, React, Flutter, Microsoft Access, Firebase

EXPERIENCE

AISS – Texas Tech University

IT Support Intern (May - July), IT Support Assistant

July 2024 – Present

- Provided technical support for software, hardware, and networking issues ensuring prompt resolution and minimal downtime.
- Tracked inventory for IT equipment and supplies, resulting in a faster process and accurate records, enhancing overall efficiency.

Headstarter – Remote, United States

Aug 2024 – Sep 2024

Software Engineering Fellow

- Built 5 projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.
- Worked in a team of 3 to develop an interactive customer support agent using Next.js, integrated a custom RAG pipeline using OpenAI and Pinecone that responds based on a specific knowledge base.
- Collaborated with 2 fellows to build and deploy a SaaS product that generates dynamic flashcards based on any topic using OpenAI API.
- Deployed ProPathway job application tracker that allows users to paste job descriptions to generate AI resume tips and interview prep questions. Developed in 2 weeks in a team of 3 with 50+ users waitlisted.

PROJECTS

Align With Me, GitHub Open-Source Contribution

May 2024 – Present

- Collaborated on designing a cross-platform web and mobile application to improve citizen engagement in social and political issues.
- Designed user interface using Flutter, ensuring compatibility across all devices and enhancing form functionality. Contributed to the development of RESTful APIs for CRUD operations using Spring Boot.

RaiderNav, Campus Navigation Website

October 2024 – November 2024

- Developed a campus navigation website for Texas Tech University students with campus-specific directions and a searchable database of campus resources undergoing a full development cycle.
- Designed an interactive user interface using Figma and React, incorporating Mapbox API to generate a searchable campus map and directions with time estimates.

Computational Thinking with Data Science Project

April 2022 – May 2022

- Built a concrete strength prediction model that estimated a predicted strength and an estimated uncertainty to user-given inputs using Python, Matplotlib and succeeded in achieving a 100% grade.
- Delegated tasks to members as the team lead, recorded the project progress through a Gantt chart, designed multiple models, and evaluated the best model.

INVOLVEMENT

STEM & Leaf Corps: Special Topics Program (Education Outreach)

Volunteer - Intro to Programming

- Mentored three high schoolers on basic Python principles through hourly sessions held once a week.
- Planned the schedule, researched materials, and prepared activities for the students.