

Pavithra Gopalakrishnan

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EDUCATION

Texas A&M University, College Station, TX

May 2025

Bachelor of Science in Computer Science | Minor in Business | GPA: 3.9

- Craig and Galen Brown Engineering Honors, Dean's List, 2023 Grace Hopper CS Departmental Scholarship
- Relevant Coursework: Discrete Structures, Data Structures, Design and Analysis of Algorithms, Database Systems

University of North Texas, Denton, TX

May 2022

Texas Academy of Math and Science | Early College High School program | GPA: 3.9

- President's List, UNT research fellowship, Denton Nursing Home President, Bollywood Dance Team

TECHNICAL SKILLS

Computer: Python, C++, C#, .NET, WinForms, AngularJS, NodeJS, React Native, Unreal Engine, Git, BitBucket, AutoCAD

TECHNICAL EXPERIENCE

Harman International, Richardson, TX

Summer 2023

Software Engineering Intern

- Wrote an 8,000+ line C# ASP.NET script from scratch focused on migrating audio wiring to a new software tool.
- Achieved a 30% time reduction in test development and execution by implementing an autonomous feature.
- Received and accepted the opportunity to continue working part-time through the school year.

SpaceCraft Research Lab, College Station, TX

2022 - 2023

Undergraduate Research Assistant

- Conducted interdisciplinary research spanning aerophysics and visual graphics.
- Leveraged object-oriented principles to incorporate excavation functionality onto existing VR simulations.
- Optimized geometric modeling and terrain rendering to allow user navigation of various celestial bodies.

Interfacial Electrochemical Material Lab, Denton, TX

2020 - 2022

Undergraduate Research Assistant

- Developed a Python application utilizing binary subtraction to computerize the lab's wafer analysis process.
- Reduced the time for erosion analysis by approximately 2 hours per run by computerizing the entire process.
- Presented findings at UNT Scholars Day, receiving two highly competitive scholarships totaling \$4,500.

PROJECTS

Reveille Rides, College Station, TX

2023 - Present

Project Manager

- Managing a project developing a university transportation application that enables users to access bus times, stops, and routes post-privatization of the University website API.

Tally, College Station, TX

2022 - 2023

Front-End Designer

- Contributed to Tally, a digital to-do platform focused on enhancing task division among communities.
- Led the front-end team in utilizing React Native and Expo Go to develop the UI/UX of the app's dashboard page.

LEADERSHIP EXPERIENCE

Society of Women Engineers, College Station, TX

2022 - Present

STEMfest chair

- Overseeing the selection and management of the logistics, communications, and design committees.
- Collaborating with Texas Girl Scouts representatives to host the largest annual Girl Scouts Engineering fair in Texas.

Aggie Women in Computer Science, College Station, TX

2022 - Present

Marketing officer

- Collaborating with the University CSCE department for the creation and release of departmental merchandise.
- Managing the organization's social media presence, event graphics, and other forms of advertisements.