GAURI PALA

gaurip@cs.utexas.edu | linkedin.com/in/gauripala/ | gauripala.github.io

EDUCATION

University of Texas at Austin, Austin, Texas   May 2025
Bachelor of Science in Computer Science, Minor in Business | Cumulative GPA: 3.99
Relevant Coursework: Operating Systems, Computer Organization and Architecture, Data Structures, Discrete Mathematics, Python Programming, Competitive Programming, Linear Algebra, Probability, Multivariable Calculus, Foundations of Accounting, Foundations of Info Tech Management

SKILLS

Languages & Frameworks: Java, C, Python, Swift, Spring Boot, JavaScript, TypeScript
Mobile & Web Development: Flask, Angular, React, React Native, MongoDB, REST APIs, HTML, CSS, Bootstrap, Supabase
Other: Git, CI/CD Pipelines, Linux, Postman, Agile, Figma, AWS, Xcode, VSCode, Eclipse, PyCharm, Microsoft Office, Photoshop

EXPERIENCE

UT Austin Department of Computer Science | Discrete Mathematics Teaching Assistant, Austin, Texas   August 2023 - Present
- Lead weekly discussion sections for 30 students, involving reviewing course material, proctoring quizzes, and answering content questions.
- Conduct office hours 2 times a week and monitor Piazza discussion board to ensure student comprehension and success in the course.

UT Austin Women in Computer Science | Academic Officer, Austin, Texas   May 2023 - Present
- Lead academic related endeavors for Women in Computer Science, a UTCS diversity organization with 300+ members that promotes DEI.
- Organize registration review every semester, facilitate faculty lunches for students and staff, and oversee the Graduate Mentorship Program.

State Farm Insurance, Dallas, Texas

Software Engineer Intern   May 2023 - August 2023
- Launched a full-stack application to visualize 500,000+ log events for daily production metrics data through the use of bar charts, maps, and tables under 6 key factors for the Fire Acquisition API.
- Developed a Flask API to automate running of queries using the Splunk REST API and store daily metrics in a MongoDB database for use by the Angular UI, reducing the need to manually pull data and cut down production support time by 1 hour each day.
- Automated the process to gather agent test ID's and passwords for the Fire Acquisition API testing suite, eliminating the need to rotate stored passwords 2 times a month.

Software Engineer Intern   June 2022 - August 2022
- Enhanced the Billing Transactions History UI by adding the ability to retrieve and view the transaction expiry date used by 19,000+ State Farm Billing ops and agents for SF billing accounts.
- Revamped the look and feel of the Billing Transaction History UI to ensure consistency and cohesiveness throughout all State Farm applications, increasing the user satisfaction by 30%.
- Attended daily standup meetings, backlog grooming sessions, team retros, and product showcases in an Agile work environment.

Software Engineer Intern   June 2021 - August 2021
- Refactored and developed an utility REST API with 18 endpoints to follow the API design pattern, Adapter Pattern, allowing for the connection between two incompatible interfaces.
- Increased code coverage of the API to 100% through JUnit testing, PIT Mutation testing, and E2E testing
- Presented work to 100+ State Farm directors, managers, and other engineers.

Texas Convergent, Austin, Texas

Software Engineer for Qwell Austin   January 2023 - Present
- Developed a mobile application for Austin nonprofit, QWELL, to connect 8,000 LGBTQ+ QWELL members with each other and with 110+ friendly businesses, physical, mental, and sexual health services in the Greater Austin area.
- Displays nearest endorsed businesses to the user's current location with a rating system on 6 key factors, where users review businesses for in-app points to be used towards monetary rewards. Monitors user's wellbeing through survey questions about topics like overall health.

Software Engineer for Austin Free-Net   September 2022 - January 2023
- Developed a mobile application for nonprofit, Austin Free-Net, to help promote their mission of digital literacy to underprivileged in Austin by displaying 4 main programs, 10+ resources, upcoming events, and news the nonprofit has to offer.
- Showcased app at the TX Convergent Expo to 6 technology companies, Austin Free-Net staff, and other UT Austin students.

PROJECTS

AWS Mask Detection System | AWS Rekognition, Lambda, S3, Cloud Watch, iOT Core, DeepLens, Python   April 2022
- AI-based system using the AWS DeepLens camera that utilizes a Computer Vision model to recognize if a person is wearing a mask or not and displays results on an AWS Cloud Watch dashboard.

iRecycle | CoreML, Swift, Git, Objective C, UI/UX Design, Figma   May 2021
- AI-based iOS Application which utilizes a Computer Vision CoreML model to predict if an item is recyclable, organic waste, or trash

ASL Go | Swift, Objective C, UI/UX Design, Figma, Git   February 2021
- iOS application which utilizes Machine Learning and Computer Vision to translate real time ASL feed into English words. Contains learn pages where users can learn common ASL phrases and words

ZeroWasted | HTML, CSS, JavaScript, Bootstrap, Git   July 2020
- Fully-functional website which aims to reduce food waste by allowing users to enter in an ingredient they don't know what to do with and the website will provide them with a list of recipes which mainly incorporate that food

HONORS AND AWARDS

University Honors   December 2022, May 2023
- Undergraduates who complete a full course load and earn outstanding grades with a GPA above 3.5

Frisco Liberty High School's Class of 2022 Salutatorian   May 2022
- Ranked 2nd highest in my graduating class of 545 students

NCWIT Aspirations in Computing: National Honorable Mention & Regional Affiliate Winner   April 2021
- Awarded on my aptitude and aspirations in technology and computing, as demonstrated by my computing experience and activities

President's Volunteer Service Award (Gold)   March 2021
- Completed over 100 hours of community service in a single year