

SURYA SUNKARI

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EDUCATION

The University of Texas at Austin, Austin, TX

May 2025

Bachelor of Science, Computer Science

GPA: 4.00

Relevant Coursework: Data Structures, Computer Architecture, Autonomous Robots, Discrete Math, Linear Algebra, Multivariable Calculus, Probability

SKILLS

Technical/Computer Skills: Advanced JAVA, Python, C, C++, SQL, PHP, HTML, CSS, JavaScript, React, Django, Next.JS

PROJECTS

- **ROBOT TASK PLANNING SYSTEM** - *Academic Project, Autonomous Robots*
 - Developed an algorithm that harnesses large language models to convert high level prompts given by a user into a series of action plans comprised of lower level steps with a 90% success rate
 - The program interacts with the user through voice input and output, triggered by a specific keyphrase
 - Advanced skills in **Python**, LLMs, Mathematics, **UI/UX**, and team collaboration
- **SPOTIFY CLONE** - *Personal Project*
 - Built a comprehensive music streaming application emulating Spotify's features and functionalities using **Next.JS**, **React**, **Tailwind CSS**, **Supabase**, and **PostgreSQL**
 - Developed a dynamic user interface that allows for file and image upload, credential authentication, playing song audio, a liked songs system, and server error handling
- **DIGIT IDENTIFIER** - *Personal Project*
 - Developed a neural network from scratch using NumPy that identifies digits 0-9 from a 28x28 grayscale image with data imported from the MNIST database with **Python**; no PyTorch or TensorFlow was used
 - Compiled knowledge from a variety of fields, such as linear algebra, multivariable calculus, theory behind neural network implementation, and proper programming practices in Python

EXPERIENCE

Paycom - *Software Development Intern*; Grapevine, TX

May 2023 - Present

- Developed a full stack application that combined Paycom's report builder service with their proprietary encryption API to safely transmit Personally Identifiable Information for both internal and client use
- Maintained unit testing and followed adapter pattern design to ensure that the application can easily be managed in the future using **PHP**
- Designed a SQL Query Preview page using **React** to securely view sensitive data that is expected to roll out to more than 36,000 client companies
- Trained and tested in a variety of technologies such as **PHP**, **JavaScript**, **React**, **Redux**, and more.

iHateTestPrep - *ACT Tutor*; Austin, TX

February 2022 - Present

- Consulted 20+ students from all around the United States in the ACT, 200+ hours of tutoring total
- Developed mastery in Math, Science, Reading, and English for the purpose of providing quality ACT mentorship
- Coordinated and organized online tutoring sessions by conforming and adapting to students' schedules

LEADERSHIP & COMMUNITY INVOLVEMENT

UIL Computer Science Club

August 2019 - May 2022

President

- Competed in District and Regional level UIL Computer Science competitions
- Engaged the school community through fundraisers, informational sessions, and social events
- Taught advanced Java concepts that show up on the UIL Computer Science curriculum to fellow students