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++, PostgreSQL, PHP, HTML, CSS, JavaScript, React.JS
Languages: Intermediate Speaker in Spanish

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
- **DIGIT IDENTIFIER -** *Personal Project*
  - Hard coded a neural network 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
- **SOCIAL NETWORK -** *Personal Project*
  - Programmed a "social network" that uses file input and output as a database to store login information, send messages, create user accounts, send friend requests, and more with Java
  - Increased proficiency in programming concepts such as File I/O, encapsulation, OOP, and GUI

EXPERIENCE

Paycom - *Software Development Intern*; Grapevine, TX   May 2023 - Present
- Developed skills in PHP, HTML, CSS, JS, and React.JS
- Created an extension that combined the report builder service with Paycom's in house Ghost Train API encryption service to securely transmit client/employee information using PHP and React.JS
- Trained and tested in a variety of technologies to improve full stack capabilities, such as C#, Splunk, Redux, HTML, CSS, JavaScript, PHP, and more.

iHateTestPrep - *ACT Tutor*; Austin, TX   February 2022 - Present
- Consulted 20+ students from all around the United States in the ACT, 80+ 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