SURYA SUNKARI

979-209-9491 | suryasunkari@utexas.edu | Austin, TX
suryasunkari.com | github.com/surya-sunkari/ | linkedin.com/in/surya-sunkari/

EDUCATION

The University of Texas at Austin, Austin, TX   May 2025
GPA: 4.00
Bachelor of Science, Computer Science
  Relevant Coursework: Data Structures, Computer Architecture, Autonomous Robots, Discrete Math
Bachelor of Science, Mathematics
  Relevant Coursework: Discrete Math, Linear Algebra, Multivariable Calculus, Probability, Differential Equations

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*
  - Constructed 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
  - Authored a research paper, sponsored by the University of Texas at Austin, describing our findings
  - Established 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**
  - Created 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
  - Formulated 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

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