SURYA SUNKARI

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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, Operating Systems, Autonomous Robots
Bachelor of Science, Mathematics
　　Relevant Coursework: Discrete Math, Linear Algebra, Multivariable Calculus, Probability, Differential Equations
Additional: Minor in Economics, Minor in Applied Statistical Modeling

SKILLS

Languages: Advanced JAVA, Python, C, C++, SQL, PHP, HTML, CSS, JavaScript, TypeScript, MongoDB
Frameworks/Services: AWS, React.js, Next.js, Flask, TailwindCSS, Bootstrap, Supabase

PROJECTS

- **ROBOT TASK PLANNING SYSTEM -** *Academic Project and Research Paper*   March 2023 - Present
  - Constructed an algorithm that harnesses large language models (**LLMs**) 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 and published our findings in a research paper, sponsored by the University of Texas at Austin
  - Combined skills in **Python, C++, API Integration, ROS, LLMs, UI/UX**, and Mathematics
- **SPOTIFY CLONE -** *Personal Project*   August 2023
  - 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, user authentication, playing song audio, a liked songs system, and server error handling, while optimizing for **Search Engine Optimization**
- **EXPENSE AND INVESTMENT TRACKER -** *HackTX 2023*   November 2023
  - Developed an AI full-stack expense/investment tracker with **Next.js**, **Flask**, **Tailwind CSS**, and **MongoDB**
  - Utilized OpenAI's GPT-3.5 API to create an AI financial advising system for expenses, implementing CRUD operations for expense management, as well as **web scraped** and presented recent news articles specifically related to current investment holdings

EXPERIENCE

Paycom - *Software Development Intern*; Grapevine, TX   May 2023 - August 2023
- 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
- 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, uses **PHP** for the backend

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

COMMUNITY INVOLVEMENT

Texas Momentum - *Software Engineer Lead*   August 2023 - Present
- Developed production ready, full-stack applications for various startups as part of startup accelerator program
- Consulted various companies on the user interface aspect, scaling user base by over 250% in some cases
- Enhanced proficiency in cloud services and scalable applications through hands-on experience with **AWS** services

Texas Blockchain - *Labs Division Engineer*   August 2022 - Present
- Developed decentralized apps for a variety of crypto companies, such as BNB Chain, NEAR, and Solana
- Optimized pre-built algorithms to meet stringent time/space complexity requirements in blockchain applications