

# SURYA SUNKARI

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## EDUCATION

**The University of Texas at Austin**, Austin, TX

May 2027

*B.S./M.S. in Computer Science (Integrated Five-Year Program), GPA 4.00/4*

Relevant Coursework: Data Structures/Algorithms, Computer Arch., OS, Machine Learning, Cloud Computing

*B.S. in Mathematics, GPA: 4.00/4*

Relevant Coursework: Linear Algebra, Multivariable Calculus, Probability, Diff. Equations, Stochastic Processes

*Additional: Minor in Economics, Certificate in Applied Statistical Modeling*

*Research Publications: Dobby: A Conversational Service Robot Driven by GPT-4 (Accepted at RO-MAN 2024)*

## EXPERIENCE

**Google** - *Software Engineering Intern*; Boulder, CO

May 2025 - Present

- Developed a scalable, automated testing system to detect outages and anomalies across Google's global payment network partners, reducing the average time-to-detection for critical outages from 4 weeks to 2 hours
- Utilized **Java**, **gRPC**, and **SQL** to simulate traffic deployed on Google's internal version of **Kubernetes** as a **cronjob**, enabling proactive analysis and improving the actionability of SLO-based alerting in sandbox environments

**Scale AI** - *Technical Analyst Intern - Gen AI*; Austin, TX

November 2024 - Present

- Improving SOTA AI model accuracy/efficiency by addressing weaknesses in Olympiad-level math problems
- Advancing SOTA code generation models by refining their performance on ICPC-level programming challenges

**Wayfair** - *Software Engineering Intern*; Austin, TX

May 2024 - Aug 2024

- Designed and implemented an automation microservice capable of consuming over 9,500 **Kafka** messages per minute from various topics, reducing data processing time by 15% and further decoupling from external APIs
- Expanded backend functionality by developing 20+ new endpoints to interface with carton route creation and logical/physical conveyability, utilizing **Java Spring Boot**, **Kotlin**, and **PostgreSQL**
- Implemented unit, integration, and end-to-end tests to increase overall code coverage from ~70% to over 90%

**Paycom** - *Software Engineering 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 to over 44,000 clients/employees
- 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

## PROJECTS

**HEHEHUB** - *BUIDLathon @ ETHDenver 2025*

February 2024

- Created a SocialFi meme platform that converts facial-recognition laughter into on-chain HEHE Score via Foundry smart contracts, Thirdweb account-abstracted wallets, TanStack Query, Face API CV models, and Supabase
- Awarded \$7k in various prizes at ETHDenver 2025, beating 200+ teams with a proof-of-laughter engagement model that replaces vanity metrics

**SWOOSH** - *BUIDLathon @ ETHDenver 2024*

February 2024

- Built a payment/bill-splitting app featuring in-app wallets, gasless transactions, and stablecoin integration to eliminate fees and decrease payment finality time from ~3 days to minutes using **React**, **Solidity**, and **ThirdWeb**
- Competed against 200+ teams to win Solana's "**Best DeFi/Payments Integration**" and place second in "**Most creative BUIDL using the XDC Network**"

## ORGANIZATIONS

**Texas Undergraduate Computational Finance** - *Director*

January 2024 - Present

- Engaged in weekly symposiums on options theory, ML model construction, macroeconomic topics, and statistics
- Authored weekly financial market watches and stock pitches sent out to hundreds of current members/alumni

**Texas Blockchain** - *Team Lead for Labs Division*

January 2023 - Present

- Developed decentralized apps for a variety of crypto companies, such as BNB Chain, NEAR, and Solana
- Competed and placed in numerous blockchain related hackathons, winning over \$10k in prizes

## SKILLS

**Languages:** Advanced JAVA, Python, C, C++, SQL, PHP, HTML, CSS, JavaScript, TypeScript, SQL, MongoDB, Kotlin, Clojure

**Frameworks/Services:** AWS, React, Next, Flask, Tailwind, Node, Docker, Pandas, GCP, Kafka, Spark, Hadoop, Java Spring