

Anush Sonone

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EDUCATION

University of Texas at Austin

Bachelor of Science in Computer Science, Minor in Business — GPA: 3.8/4.00

Austin, TX

May 2027

SKILLS

Languages: Python, JavaScript/TypeScript, SQL, Java, C, C++, HTML/CSS, Assembly, R

Frameworks & Libraries: React, Node.js, Express, Flask, Tailwind, Jest

Tools & Platforms: Git, GitHub, Docker, Postman, Swagger, OpenAPI, OAuth 2.0, Okta, CI/CD, VS Code, Agile

Cloud & DB: AWS (Lambda, ECS, EC2, S3, RDS, DynamoDB, SQS, CloudWatch, Terraform), PostgreSQL, GCP

AI: OpenAI, LangChain, Pinecone, Streamlit, RAG, Transformers (MTSIT, GRU, LSTM), NumPy

EXPERIENCE

CDK Global

Jun. 2025 – Present

Software Engineering Intern @ Fortellis Team

Austin, TX

- Building & deploying Text2Viz AI on AWS ECS to support **75M+** inventory records across **15K+** dealerships
- Refactoring architecture across **4+** Fortellis microservices; directly impacting release velocity across **125+ APIs**
- Researching a custom **CDK LLM Assistant** for Fortellis API docs & codebase to streamline dev workflows

UT Austin Department of Computer Science

Jun. 2025 – Present

Undergraduate Research Assistant — Dr. Kia Teymourian, Deep Learning for Geoscience

Austin, TX

- Generating production-grade datasets for **NASA** & **TxSON** to support drought/irrigation modeling in Texas
- Delivering time series forecasting by building a preprocessing pipeline for **10M+** meteorological records
- Improving dataset reliability for **NASA's** drought forecasting efforts by benchmarking **10+** imputation models; implementing transformer models that outperform GRU/LSTM baselines by **10%**

Hyphen Solutions

May 2022 – May 2025

Software Engineering Co-op Intern @ Wallet Payment Services Team

Dallas, TX

- Engineered AWS Step Functions to ingest & validate payment batches of **\$200K** to **\$2M** from Builder ERP
- Accelerated supplier payouts by reducing API execution time via Lambda parallelization & SQS queues by **22%**
- Cut AWS costs by **18%** (**\$2K+/mo**) during peak VCC processing by optimizing EC2 auto-scaling policies

PROJECTS

CDK Text2Viz Dealership AI | OpenAI, LangChain, SQL, Streamlit, Pinecone, Python

Jun. 2025

- Developing a natural language to SQL pipeline using LangChain & OpenAI, leveraging GPT-4 & agent chains to translate queries into visual dashboards via Streamlit in under **2 seconds**
- Indexing **6K+** dealership schema fields into a Pinecone Vector DB using embedding models; built retrieval-augmented agents for query correction & schema validation for a **98%+** query success rate
- Launching self-serve analytics for **30+ pilot dealerships**, boosting sales by **20%** through **4x faster quoting**

Fortellis Super Admin UI | AWS (Lambda, DynamoDB, CloudWatch), Terraform, Node.js

Jun. 2025

- Implementing Super Admin entitlements across **44K+** dealerships by redesigning backend IAM & parsing JWT claims to allow granular control of role assignments
- Provisioning IaC via modular Terraform across **400+ orgs**, cutting role-propagation delay to **under 30 seconds**
- Tracing all admin actions across **5.8B+** yearly API calls by audit logging admin events via DynamoDB Streams & Lambda, piped to CloudWatch Logs

Wallet Swagger API Website | OpenAPI, Okta, OAuth 2.0, Node.js, AWS (Lambda, S3, CloudWatch)

May 2025

- Cutting integration time w/ **580+** builders & **17,500+** suppliers by rewriting Wallet API endpoints w/ OpenAPI
- Strengthened PCI-DSS/SOC 2 compliance by authoring **450+** tests for Batch, Payment, & Webhook APIs
- Enabling secure auth across **500K+** monthly requests by automating OAuth 2.0 flows via Okta for API Gateway

Wallet Supplier Dashboard | React.js, Node.js, PostgreSQL, AWS (Lambda, CloudWatch)

May 2024

- Implemented Virtual Credit Card (VCC) processing, driving **\$680K+** in revenue via a **1.75%** transaction fee
- Redesigned the Payment Method UI w/ custom React components, improving UX for **7+** e-payment types
- Reduced VCC payout latency by **40%** using Node.js async handlers to streamline high-volume transactions