Anay Somani

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EDUCATION

University of Arizona — Tucson, AZ

Bachelor of Science in Computer Science
Bachelor of Science in Statistics and Data Science
GPA: *3.50*

Expected May 2027

Relevant Coursework: *Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Probability & Statistical Inference, Machine Learning.*

EXPERIENCE

Software Engineer Intern — Hyderabad, India

Deloitte — *May 2025 – Aug 2025*

- Architected and developed **three** enterprise-grade, full-stack AI applications using **React, Next.js, FastAPI,** and **Flask**, deploying scalable backend systems with **NoSQL/JSON** databases and **FAISS** for vector search.
- **AI-Powered Code Analysis Platform:** Built an AI platform that automated code reviews and compliance checks (**PCI DSS, SOC**) for a codebase of over **20,000 lines**, enhancing developer productivity by **25%**.
- **Automated Security Policy Optimizer:** Delivered a security application to automate policy discovery, reducing manual effort by **80%** through a real-time analytics dashboard built with a modern **React** and **FastAPI** stack.
- **AI-Powered KPI/KRI Analytics System:** Engineered a KPI management system integrating **Azure OpenAI** to generate intelligent metrics from datasets up to **5MB**, enabling automated, data-driven insights.

Data Team Lead — Tucson, AZ

Tech Launch Arizona — *Jan 2024 – May 2025*

- Deployed **15+ dashboards and reports** using **Power BI** and **Google Analytics**, enabling data-driven optimizations that improved program effectiveness by **20%** for over **500+ students**.
- Spearheaded the development of a new entrepreneurial Living Learning Community (LLC), managing a team of **5+ mentors** to establish the program's foundation.
- Implemented **agile methodologies** for project management using **Trellis** and **Salesforce**, boosting team productivity and ensuring on-time delivery of all data-related projects.

PROJECTS

DebugCLI | *Python, OpenAI API, Typer, Docker, GitHub Actions*

- Built an AI-powered CLI tool that transforms terminal errors into actionable insights using **OpenAI**, reducing developer debugging time by an estimated **20%**.
- Designed and implemented a comprehensive **GitHub Actions CI/CD pipeline** with **Docker** containerization and automated testing across multiple Python versions.
- Architected a production-ready CLI application with a modern Python stack (**Typer, Rich, Pydantic**), achieving cross-platform deployment capabilities.

OptiInvest | *React, FastAPI, PyPortfolioOpt, REST APIs*

- Developed a full-stack investment platform enabling AI-driven portfolio optimization and real-time holdings tracking.
- Integrated **three** third-party financial data **REST APIs** (Finnhub, Marketstack, NewsAPI) to provide multi-source sentiment analysis from over **5,000+ articles and social media posts**.

FinancialLLM Analyzer | *React, Node.js, LangChain, OpenAI API*

- Engineered an AI tool using **Retrieval-Augmented Generation (RAG)** to enable semantic search and Q&A on large financial reports (**10-K, 10-Q**) often exceeding **100+ pages**.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, Java, C/C++
Frameworks & Libraries: React, Node.js, Next.js, Flask, FastAPI, LangChain, Pandas, NumPy, PyTorch
Developer Tools & Platforms: Git, Docker, Kafka, Vercel, VS Code, GitHub Actions, Azure OpenAI