

Vedanta P. Somnathe

vpsomnathe@crimson.ua.edu | vedantas.xyz | (659) 228-3497 | linkedin/in/thvdnta | github/thevedanta

Education

The University of Alabama, BSc in Computer Science & Math | **GPA:** 4.00/4.00 May 2028
• Blount Scholar & Ambassador, Resident Advisor, ACM Treasurer, Honors College, Research Apprenticeship

Skills

Languages: TypeScript, JavaScript, Go, Python, C++, Rust, C, Java, SQL
Frameworks/Tech: React, Next.js, React Native, Node.js, Express, FastAPI, tRPC, REST APIs, GraphQL, Microservices
Cloud & DevOps: AWS, Google Cloud, Azure, Docker, Kubernetes, CI/CD, Serverless, Observability/Monitoring
Systems/Tools: Kafka, Redis, Caching, Concurrency, Queuing, Scalability, System Design, Git, Linux
Databases: PostgreSQL, MySQL, DuckDB, MongoDB, Redis, CockroachDB, Firebase, Supabase
AI/ML: Python (Pandas, NumPy), LangChain, LangGraph, Retrieval-Augmented Generation (RAG)

Experience

Tanstack | *Open Source Maintainer* Feb 2026 – Current
• Made packages for other developers like: @tanstack/preact-query @tanstack/preact-store @tanstack/angular-pacer
• Heavily contributed to, and maintained code quality of Tanstack Query, a data fetching library with 2B+ downloads

Retell AI (YCombinator W24) | *Software Engineering Intern* May 2025 – Aug 2025
• Architected thread-pooled FastAPI + Go-chi with Redis queuing, reducing latency by 9x and scaling to 30k+ calls/day
• Enhanced HIPAA-compliant voice agents with Mem0-powered contextual memory and robust CRM extractions
• Established abstracted modules for Google, Salesforce, Hubspot, etc. enabling nontechnical users to deploy workflows

JustSync.ai | *ML Engineering Intern* Mar 2024 – Aug 2024
• Improved retrieval accuracy by 44% through scraping 2500+ medical articles & research papers for data-retrieval
• Developed and launched company's React Native app, publishing on App Store and Google Play Store
• Created LangChain & Gemini recommendation engine and deployed micro-services on Google Cloud Run

Indian Institute of Management Indore | *Lead Developer* Sept 2022 – Jan 2023
• Led a team of 4 to develop a scalable platform handling 2000+ daily active graduate students (Campus-wide)
• Simplified infrastructure and CI/CD by setting up cron-jobs using GCP and dividing micro-services with Docker
• Implemented: OAuth in university email, college dining menu updates, recreation center reservations, class scheduler

Projects

@tanstack/preact-query | *TanStack Query Adapter (Preact) – Open Source* [NPM](#) | [GitHub](#)
• Built and shipped the Preact adapter for TanStack Query, enabling first-class Query usage in Preact applications
• Started and grew a community around Preact + TanStack, coordinating feedback, docs, and adoption patterns

Mosaic | *University of Washington Data Science – Open Source* [GitHub](#)
• Built developer tools to improve developer experience for Mosaic while preserving low-level primitives
• Added debugging/inspection workflows that made it easier to build and iterate on interactive data systems

Meridian | *Tanstack + Convex Hackathon • Overall First (\$5000 Prize)* [Link](#) | [Youtube](#)
• Single-handedly built a live-time data science tool achieving 3x faster rendering using DuckDB Node w/ RPC layer
• Created agent-based interactions with Convex, R2, and git-like rollback using a tree data-structure

ReCall.AI | *Princeton University – Hackathon • Winner in 2 tracks* [Blog](#) | [Link](#) | [GitHub](#)
• Engineered a multi-threaded app to remind Alzheimer's patients of loved ones' names with facial recognition
• Stored vector embeddings (FlatL2) of faces and searched with cosine-similarity in a PineCone Database