

Vedanta P. Somnathe

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Experience

TanStack | *Open Source Maintainer* • 2B+ downloads/yr Feb 2026 – Current

- Authored @tanstack/preact-query, preact-store, and angular-pacer from scratch — 15k+ combined weekly downloads
- Grew the Preact + TanStack community from zero, owning docs, adoption patterns, and feedback loops
- Maintain the wider ecosystem (incl. React Query, 2B+ downloads): 30+ PRs reviewed and merged

Davner | *Software Engineer Intern* • AI prior-auth automation for healthcare May 2026 – Jul 2026

- Shipped zero-click call automation with agentic voice workflows, cutting case processing time 85%
- Built a secure inbound-fax intake pipeline with multi-factor payer matching, saving 300k tokens per case
- Automated 'stat' case routing off surgery dates, accelerating time-critical approvals by 40%

Retell AI (YCombinator W24) | *Software Engineering Intern* • Voice AI agents May 2025 – Aug 2025

- Architected a thread-pooled FastAPI + Go-chi service with Redis queuing, cutting latency 9x at 30k+ calls/day
- Extended HIPAA-compliant voice agents with Mem0 memory and CRM extraction for state across calls
- Built integration modules (Google, Salesforce, HubSpot) letting nontechnical users deploy agent workflows

JustSync.ai | *ML Engineering Intern* Mar 2024 – Aug 2024

- Engineered a medical RAG pipeline over 2500+ clinical articles, improving retrieval accuracy by 44%
- Built and launched the company's React Native app, shipping to App Store & Play Store in a month

Indian Institute of Management Indore | *Lead Developer* Sept 2022 – Jan 2023

- Led a team of 4 building a campus-wide platform serving 2000+ daily active graduate students
- Split the backend into Docker microservices with GCP cron-jobs, simplifying infra and CI/CD
- Shipped university-email OAuth, dining menu updates, rec-center reservations, and a class scheduler

Projects

Meridian | *TanStack + Convex Hackathon* • Overall First (\$5000 Prize) [Live Demo](#) | [Youtube](#)

- Solo-built a real-time data science tool hitting 3x faster rendering via DuckDB Node behind a custom RPC layer
- Designed agent-driven analysis on Convex + R2 with git-like rollback via a tree structure

Mosaic (Open Source) | *University of Washington Data Science Lab* [Link](#)

- Built state-inspection and query-tracing devtools, streamlining debugging workflows for engineers
- Optimized query-coordination and event-dispatch primitives, holding 60 FPS on 1M+ row datasets

Skills

Languages:	TypeScript, JavaScript, Go, Python, C++, Rust, C, Java, SQL
AI & Agents:	RAG pipelines, LangChain, LangGraph, Mem0, Pinecone, FAISS, Pandas, NumPy
Frameworks/Tech:	React, Next.js, TanStack Start, React Native, Node.js, Express, FastAPI, tRPC, GraphQL
Infrastructure & Tools:	AWS, Google Cloud, Azure, Docker, Kubernetes, CI/CD, Serverless, Kafka, Redis
Databases:	PostgreSQL, MySQL, DuckDB, MongoDB, Redis, CockroachDB, Firebase, Supabase

Education

The University of Alabama, BSc in Computer Science & Math | **GPA:** 4.00/4.00 May 2028

- Blount Scholar, Blount Ambassador, Resident Advisor, ACM Treasurer, Honors College