

# Aanish Sachdev

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## Summary

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Full stack engineer who ships fast and likes ambiguous problems. Built a HIPAA aware behavioral health EHR on AWS with FHIR. Also shipped a Tourette's tracking app with ML features.

## Skills

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React + TypeScript + React Query | AWS (Lambda, API Gateway, Cognito, DynamoDB, S3) | HealthLake (FHIR R4) IaC (SAM/CDK) | Playwright | LangGraph | AutoGluon | MLflow | OAuth2.0 | CI/CD (GitHub Actions)

## Experience

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### CoralEHR

Sep 2025 – Present

*Co-Founder & Full-Stack Engineer*

- Architected a HIPAA-aware behavioral health EHR using React + TypeScript and an AWS serverless stack (API Gateway, Lambda, Cognito, HealthLake FHIR, DynamoDB, S3) deployed with CDK.
- Designed a FHIR R4 API layer (strict resource allowlist) with healthcare-grade controls: RBAC via Cognito groups, ABAC enforced via FHIR relationships, and immutable FHIR AuditEvent logging.
- Implemented reliable scheduling and documentation workflows backed by HealthLake + DynamoDB; shipped with PR-gated CI/CD, Playwright E2E tests, and React Query caching + optimistic updates for responsiveness.
- Developing clinical AI agents over HealthLake to generate outcome-driven progress reports, answer multi-turn chart questions with DynamoDB-backed conversational state, and draft treatment plans from assessments and clinical notes.
- Selected for the *USC and Techstars University Catalyst* pre-accelerator; drove product discovery by interviewing 80+ therapists and iterating workflows based on feedback.

### ArcOne — Austin, TX

Jun 2025 – Aug 2025

*Machine Learning Engineer Intern (Hybrid)*

- Designed and productionized an AutoML churn pipeline with AutoGluon, integrated with MLflow for experiment tracking and deployed against internal datasets via an interactive CLI for reproducible training runs.
- Implemented a churn management agent using LangGraph to orchestrate LLM-based workflows over customer data, surfacing at-risk accounts and recommended retention actions.

### TimeRewards — Austin, TX

Jun 2024 – Jul 2024

*Software Engineer Intern*

- Developed Salesforce–Slack integrations using AWS Lambda and Node.js, utilizing OAuth-secured workflows for logging and querying CRM data directly from Slack.

## Education

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### University of Southern California — Los Angeles, CA

Aug 2022 – May 2026

Bachelor of Science in Computer Science, Minor in Cinematic Arts

GPA: 3.57 / 4.0

## Projects

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### TicVision — Tic Tracking & Prediction App for Tourette's

Jan 2025 – Present

*Co-Founder & Full-Stack Engineer*

- Launched TicVision, a React Native (Expo) tic-tracking app backed by a serverless AWS stack; secured APIs via an API Gateway Cognito authorizer; 250+ downloads and presented at TIC-CON 2025 (billed as the world's largest Tic Disorder conference).
- Led an ML study on de-identified TicVision app data using tree-based models to predict tic intensity and high-risk episodes, informing future in-product predictive features and clinical decision support.
- Recognized through national hackathons in India (1st place; top 100 / 50,000+ teams), validating rapid execution.

### Wavelength — Multiplayer Word Association Game

May 2024 – Jul 2024

*Solo Developer*

- Shipped a multiplayer web game using React and Node.js on AWS Lambda + API Gateway, persisting game state and match history in AWS RDS (MySQL); peaked at ~5,000 monthly players during launch.