

Sathya Narayanan

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EDUCATION

• Shiv Nadar University Chennai

Chennai, India

B.Tech in Artificial Intelligence and Data Science; CGPA: 9.16

Aug 2023 – May 2027

- Developed **WakeyStop**, a location-aware Expo app for SNUC day scholars to receive destination alerts during college bus commutes; deployed on the Google Play Store.

EXPERIENCE

• Eklavya.me

Chennai, India

Software Development Engineer Intern

Apr. 2026 – Present

- **Agentic Game Generation:** Developed AI-driven game generation workflows using AWS Step Functions, Lambda, DynamoDB, and S3 to generate game assets and content for frontend webview game templates.
- **Platform Engineering:** Built Directus workflows and Meilisearch indexing pipelines and contributed to migration from Strapi to Directus for scalable content management.
- **Cross-Team Development:** Merged 30+ PRs across 3 codebases while collaborating with frontend, backend, and content teams through daily standups and feature delivery.

• Govt. of India (MeitY) Funded Internship

Chennai, India

Software Development Engineer Intern

Dec. 2025 – Apr. 2026

- **Full-Stack Delivery & Refactor:** Sole developer for speech.snuchennai.edu.in; rewrote Flask backend using Blueprints, cutting codebase from ~14,000 → 4,500 lines (~68%); deployed on MeshCentral with unit tests.
- **ML API Layer:** Designed 10+ REST endpoints for biLSTM and prosody models; exposed one public key-authenticated API for external researchers.

• AtumX

Chennai, India

Software Development Engineer Intern

Apr. 2025 – Jul. 2025

- **AI Systems Development:** Built FastAPI REST APIs for speech-to-speech AI chatbots deployed on AWS EC2 and developed WebSocket-powered game control pipelines with Electron dashboards for real-time interaction.

PROJECTS

• Read2Speech

FastAPI, Redis Streams, Celery, LangChain, MongoDB, React

LLM-Powered Article-to-Audiobook Platform

- **Async Distributed Pipeline:** Producer-consumer backend (FastAPI + Celery + Redis Streams + MongoDB) for scraping, LLM-based processing, and audiobook generation with real-time task tracking.
- **Auth & Notifications:** JWT authentication with automated email notifications on job completion; React frontend for audiobook library management.

• haGIT

Next.js, TypeScript, Prisma, PostgreSQL, Commander.js

Multi-platform Git-Inspired Habit Tracker

- **Published npm Package:** Shipped `hagit-cli` on npm - Git-like commands (`hagit commit`, `push`, `branch`) syncing habits to a Next.js + PostgreSQL backend with JWT auth and contribution heatmaps.
- **Turborepo Monorepo:** Shared packages across CLI, Next.js web dashboard, and Chrome Extension - all three clients hitting the same API routes.

AWARDS & CERTIFICATIONS

- **Runner-Up, SNUC Hacks 2025:** Placed 2nd among 50+ teams.
- **Finalist, Envithon 2024 by NSS:** Placed top 5 among 40+ teams.
- **LeetCode:** Solved 450+ problems across Data Structures, Algorithms, and SQL.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, TypeScript, Java, C/C++

Frameworks & Libraries: FastAPI, Flask, Next.js, React, React Native, Express.js, LangChain

Databases: PostgreSQL, Redis, MongoDB, DynamoDB, ChromaDB

Tools & Platforms: Git, Docker, AWS, Postman, Directus, Meilisearch, Prisma, Turborepo, Vim