

# Pranav Nanaware

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## EDUCATION

- **University of Massachusetts** Dartmouth, MA, USA  
Master of Science - Computer and Information Science Sep 2022 - May 2024
- **Savitribai Phule Pune University** Pune, India  
Bachelor of Engineering - Computer Engineering Aug 2016 - May 2020

## SKILLS SUMMARY

- **Languages:** Python, JavaScript, TypeScript, Java, Dart, SQL, Bash
- **Backend:** NodeJs, Django, FastAPI, Flask, Spring Boot
- **Frontend:** React, Next.js, Angular, Flutter, HTML, CSS, TailwindCSS
- **Database:** MySQL, MongoDB, Redis, Prisma, PostgreSQL, DynamoDB, PgVector, Pinecone, Elasticsearch
- **Cloud/DevOps:** AWS, GCP, Docker, Kubernetes, Terraform, Jenkins & Gitlab CI/CD
- **Additional Skills:** Git, LLM, RAG, Vector DB, LangChain, GraphQL, Streaming Services

## EXPERIENCE

- **Walmart** Sunnyvale, CA  
Full Stack Software Developer (Individual Contributor) Dec 2024 - Present
  - Designed a time-driven **Python** pipeline on **GCP** Cloud Functions to sync terabyte-scale **BigQuery** datasets with **MySQL** and **Elasticsearch**, optimizing batch processing via redis locks, parallel threading and query batching.
  - Implemented 800+ **Mocha/Chai** test cases for sams-club search module, boosting coverage from 0% to 80%
  - Restructured and rewrote core logic of NUPs and Banners module (dynamic filters and ads) to support data science experimentation, resulting in **20% faster API** responses and quicker iteration cycles.
- **Comethru** Los Angeles, CA  
Full Stack Software Developer (Internship) Aug 2024 - Nov 2024
  - Leading development of events & ticketing platform with **React & Next.js**, aimed to support **1M+ users** at launch
  - Translated 50+ Figma designs into responsive UI screens using **TailwindCSS**, to boost UX & user engagement by 30%
  - Integrated **Stripe payment gateway**, ensuring secure and robust recurring & one-time payment subscription models
  - Implemented **GraphQL** APIs with **TypeScript** with optimized **SQL** queries to achieve low latency
  - Collaborated with developers to integrate **Sanity CMS** and **Twilio APIs**, enabling automated email triggers
- **VirtouStack Softwares** Pune, India  
Full Stack Software Developer (Full-time) July 2020 - July 2022
  - **For 121Cars.in:** Led a team of 4 to architect and build available and low latency backend system for an e-commerce platform utilizing **Node.js**, **JavaScript**, **MongoDB**, REST APIs for more than **100K** engaged customers
  - Implemented GraphQL APIs interacting with **PostgreSQL** Database, integrating them into React for CRM ticket and dashboard system; elevated admin efficiency by 60%
  - **For Espotz.online:** Spearheaded development of social esports platform utilizing **FastAPI**, **Redis**, MongoDB, REST, React helping the company secure **\$300k seed investment**
  - Engineered matchmaking & progression systems with Redis and CronJobs, earning satisfaction from 1K+ beta testers.
  - Built **AWS S3-SQS-Lambda** pipeline focused to compress 20k images daily; achieving reduced storage costs
  - Developed group chat feature with WebSockets, ElasticSearch, with profanity filter to eliminated active moderation
  - Setup AWS infra for both projects using **Docker** and **Kubernetes** on **ECS/EC2**, leveraging load balancers to maintain 99.9% uptime and wrote Gitlab **CI/CD** scripts which achieved 90% reduction in deployment time

## RECENT PROJECTS

- **PodQuill - AI podcasting platform** Jul 2024  
Tech: Convex, React.js, Next.js, TailwindCSS, Vercel, GPT API
  - Designed and built responsive UI/UX and audio player using HTML, TailwindCSS, Next.js, React and npm packages
  - Implemented queries, mutations and webhooks for real-time data management with relational DB
  - Integrated OpenAI's APIs for text-to-voice and image generation.
- **NewsBites - Personalized Short News App** May 2024  
Tech: Flutter, Python, FastAPI, BART transformer, MongoDB, GCP, Docker, Supabase
  - Created **Flutter** app with **Supabase** for secure, passwordless logins, reducing sign-up duration to under 1 minute.
  - Developed an data scraping, summarizing & storage pipeline using lxml, BART transformer model, job schedulers, FastAPI, MongoDB
  - Implemented a recommendation model for personalized feed informed by real-time user behavior
- **DocQuill - Freemium SaaS to chat with documents using AI** Jan 2024  
Tech: React, Next.js, TypeScript, PostgreSQL, Pinecone, Langchain, Stripe, Prisma ORM
  - Implemented RAG pipeline using **Langchain**, OpenAI embeddings, **Pinecone** Vector Storage, employing chunking techniques to minimize token size and interfaced with **tRPC** APIs
  - Developed UI with React, Next.js, and TailwindCSS; integrated Stripe Webhooks/APIs for payment, and added features like real-time streaming, PDF viewing, drag-and-drop, and high-performance messaging

## RECENT ACHIEVEMENTS

- **Winner — Techstars Startup Weekend:** Built a recipe recommendation and planning with GPT API and Flutter in 36 hours while conducting market research to identify revenue streams; validating market fit using user interviews, leading to a refined GTM strategy (Mar '24)