Dakshil Kanakia

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EXPERIENCE

Karoo Health *San Francisco, CA*
Software Engineer December 2025 - Present

- Designed, developed, and maintained a **JavaScript** Chrome extension for a healthcare web platform using object-oriented design, working in **Agile Scrum** sprints with product and operations teams to improve internal workflows
- Engineered a scalable event-capture system on **AWS Lambda** and **Aurora PostgreSQL**, shipped with **Terraform** and **GitLab CI/CD**
- Partnered with the analytics team to build a **CI/CD** pipeline in **Azure DevOps** and **Fabric** that automates semantic model rebinding across environments and adds version control to **Power BI** releases
- Built **Python** pipelines to pull data from **REST APIs** into **S3** and trigger **Lambda** upserts into **Aurora PostgreSQL** in a HIPAA-compliant **VPC**
- Automated report generation for 30,000+ patients using **Playwright**, streamlining data extraction from **QlikCloud**
- Built a 12-stage **GitLab CI/CD** pipeline with **ESLint** and 983 **Jest** unit tests (70%+ coverage) that run on every release; took part in peer code reviews and fixed defects found in QA testing and production

Personalized Medicine *San Francisco, CA*
Software Engineer June 2024 - December 2025

- Built a **RAG** pipeline with **Claude** to analyze research papers, creating a structured database of 2K+ food and cancer interactions
- Developed **NutriLiv** and **Mealgrove** with **Flutter**, **Firebase**, and **REST APIs** for 10K+ users in an **Agile** team with product and design
- Built search & filtering using **Typesense** with 200ms latency and integrated **RevenueCat** to handle subscriptions
- Integrated **Google and Meta Analytics** to analyze user engagement and **AppsFlyer** to track marketing metrics
- Built a personalized meal recommendation engine using rule-based scoring, **embedding similarity** to match users to 10,000+ curated recipes across 40 health parameters

North Carolina State University *Raleigh, NC*
Software Engineer August 2022 - June 2024

- Built a **RAG** chatbot on 1K+ organizational documents, including document ingestion, chunking, and embedding-based retrieval
- Developed assessment platform with **React** multi-step wizard and **Django** for data-driven analysis of play environments
- Built an **n8n** and **Gemini** workflow that automatically replies to Google reviews, tailoring each response to the rating and text
- Designed a pipeline with **Selenium** to collect, clean, and process 20M+ structured records across 30 sources over 24 years, and trained **XGBoost** models forecasting prices at 12% mean absolute error
- Improved auction price estimates by retrieving comparable lots through a **pgvector semantic** index over 20M **BGE-embedded** listings
- Built and deployed a **Dockerized Django** and **PostgreSQL** web service that provides auction pricing and inventory data through **REST APIs**, with **Tableau** dashboards over 20M records
- Built a full-stack app with **Django and MySQL**, deployed on **AWS Elastic Beanstalk** to manage 5K+ student records

PROJECTS

MacScreener | *Swift* June 2026

- Engineered a low-latency screen streaming system, capturing **macOS** display output via ScreenCaptureKit and rendering it on iPad

Eduraa AI | *Python, TypeScript, React, FastAPI, PostgreSQL, Docker, REST APIs* October 2025

- Built an AI exam platform integrating **Azure OpenAI** for question paper generation, **OCR**-based answer extraction, and automated grading, served via **FastAPI, React, PostgreSQL, and Docker**

OpenVoices | *Flutter, Swift, Firebase, Agora, Stripe* April 2025

- Developed a **Flutter** and **FlutterFlow** social media app with **Firebase** and REST APIs for peer-to-peer mental health support
- Integrated **Stripe** payments, **Agora** video conferencing, and **AWS S3** for meeting recordings and user interactions

EDUCATION

North Carolina State University - Raleigh August 2022 - May 2024
Master's in Computer Science

University of Mumbai August 2018 - May 2022
Bachelor's of Engineering in Computer Engineering

SKILLS

Languages: Python, JavaScript, TypeScript, Java, Dart, Kotlin, Ruby, PHP, C++, C, R, HTML, CSS, SQL, Swift, .NET, C#
Tools: Eclipse, Git, JIRA, Postman, Slack, NetBeans, AWS (EBS,S3, EC2), PyCharm, Typesense, Algolia, Docker, Linux, n8n
Frameworks: Ruby on Rails, Django, Flutter, Selenium, Flask, Angular, NodeJS, Jest, Ruff, React, React Native, Expo, Unity
Software: Office 365, Visual Studio, Android Studio, DataGrip, Tableau, Power BI, XCode
Databases: MySQL, MongoDB, MariaDB, PostgreSQL, SQLite3, Firebase, Supabase, Aurora