

Kabir Goklani

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EDUCATION

Tufts University

Medford, MA

Bachelors of Science in Computer Science and Cognitive Brain Sciences, Minor in Economics

Expected May 2028

Relevant Coursework: Machine Structure & Assembly Language, Data Structures, Algorithms, Web Programming

EXPERIENCE

Software Engineering Intern

June 2026 – August 2026

athenahealth

Boston, MA

- Built and delivered a production-ready **Existing Order Alert**, a **React**/Nimbus micro-frontend surfacing outstanding, pending, and recently-resulted lab orders at the point of ordering in AthenaOne's Assessment & Plan, reducing redundant lab and imaging orders for providers
- Integrated live order data from a **Perl** monolith into two legacy server-rendered surfaces (order card, diagnosis & orders picker) on a platform serving **160K+ providers**, delivered through Agile sprints with code review and acceptance criteria sign-off in a **Perforce** stream-based workflow

Co-Founder and Technical Lead

May 2025 – Present

Acorn

Singapore

- Co-founded **Acorn**, a gamified **React Native/Expo** medication adherence app where users earn rewards for consistency and grow a virtual forest, with an AI companion providing context-aware coaching
- Led a team of 5 NUS medical students to build the app on **TypeScript** with a **Supabase** backend, integrating **OCR**-based label scanning; validated clinical safety with psychiatrists at IMH ahead of a successful pilot launch

Software Engineer

Sep 2024 – Present

Tufts JumboCode

Medford, MA

- Built a full-stack digital library system for **200+ English at Large tutors and tutees**, replacing fragmented resources with a centralized, searchable web platform serving adult immigrants learning English
- Developed responsive **React** interfaces with **Clerk**-authenticated logins and integrated backend APIs to manage lesson materials, improving tutor efficiency and resource discoverability

Web Development Intern

June 2025 – August 2025

Twimbit

Singapore

- Built and maintained customer-facing pages and payment modalds for upcoming events; recommended **Webflow** as the primary no-code framework after leading internal research
- Deployed and managed static assets using **AWS S3** and containerized front-end services with **Docker**, improving front-end structure and customer showcases

PROJECTS

FlowCode | [Live](#) | *React, Node.js, TypeScript, MongoDB*

Personal Project, 2026

- Built a full-stack coding practice platform integrating the **Claude API** to analyze submissions, generate adaptive hints, and dynamically adjust difficulty, improving targeted skill-building for users
- Designed a **Node.js** REST API with a **MongoDB** schema to store submission history and user performance data, enabling efficient querying for difficulty calibration across multiple programming languages

FitWise | [Demo](#) | *Next.js, Python, Flask-SocketIO, MediaPipe*

HackHarvard, 2025

- Engineered an AI-powered personal training platform with real-time form correction, rep counting, and posture analysis using **MediaPipe**, **Google Gemini**, and **ElevenLabs**; built a **Next.js** frontend with live skeleton overlays and accuracy scores streamed from a **Flask-SocketIO** backend

PUBLICATIONS

Goklani, K. & Flanagan, T. (2024). Comparing Demographic Representation in AI-Generated and Stock Images of Occupations. *Journal of Student Research*, 13. doi:10.47611/jsr.v13i3.2628

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, HTML/CSS, PostgreSQL, PHP, Perl, MATLAB, Assembly
Frameworks: React, Next.js, React Native, Vue.js, Node.js, Flask, FastAPI, Supabase, MongoDB, Neon, Clerk
Developer Tools: GitHub, Perforce, Jira, Bitbucket, Docker, AWS, Figma, Claude Code, Jupyter Notebook, Fusion 360
Methodologies: Agile/Scrum, Spec-Driven Development, Code Review
Interests: Student Consultant @ 180 Degrees Consulting, Social Chair @ Tufts Traveling Treasure Trunk, Avid Pianist