

# Hari Patel

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## SUMMARY

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Computer Science student at Drexel (3.98 GPA) with hands-on experience building full-stack web apps and machine learning models in Python. I have deployed real projects with real users, led volunteer teams, and I am interested in how data-driven software can solve practical problems. I work well under pressure, pick things up fast, and take ownership from idea to deployment.

## EDUCATION

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**Drexel University – College of Computing and Informatics**  
*Bachelor of Science in Computer Science | GPA: 3.98/4.00*

Philadelphia, PA  
Sep. 2025 – June 2030

## TECHNICAL SKILLS

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**Primary Language:** Python (advanced)

**Python Libraries:** Scikit-Learn, Pandas, NumPy, FastAPI, Matplotlib

**Other Languages:** Java, JavaScript, TypeScript, HTML/CSS, SQL (Postgres), MySQL

**Frameworks:** React, Next.js, TailwindCSS, Prisma

**Tools & Databases:** Git, GitHub, Supabase, Vercel, Clerk, Neon, Photoshop

**Concepts:** OOP, Full-Stack Development, REST APIs, Machine Learning

**Interests:** Using ML to analyze financial markets and build stock prediction models from engineered technical features

## PROJECTS

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**PrepGO** | *Next.js, TypeScript, React, PostgreSQL, Neon, TailwindCSS*

Aug. 2024 – Present

*SAT prep platform I built in college from scratch; currently serving 30+ active users across 250+ reading and math questions.*

- Designed a PostgreSQL schema across 10 tables with 12 REST API routes and secured the app with JWT, HTTP-only cookies, and bcrypt against XSS and SQL injection.
- Built a peer messaging system with serverless Neon routes and wrote automated migration scripts to cut manual deployment steps between releases.

**Session** | *Next.js, Supabase, Prisma, Clerk, Vercel*

Nov. 2025 – Jan. 2026

*Full-stack productivity app integrating auth, session tracking, and a Prisma-managed PostgreSQL database into a deployable system.*

- Integrated Clerk for JWT-based authentication and Supabase for real-time data sync, delivering a consistent session experience across mobile and desktop.
- Conducted iterative user testing, identified onboarding friction points, and shipped targeted UX improvements that drove a 20% increase in reported productivity.

**Stock Prediction Model** | *Python, Scikit-Learn, FastAPI, TailwindCSS*

Jan. 2026 – Present

*ML project forecasting stock prices up to 30 days out using a Random Forest model trained on engineered technical indicators.*

- Trained a 300-tree Random Forest Regressor on 1,200+ daily records with 27 hand-built features: lagged closes, volume shifts, and multi-window moving averages.
- Built a fallback data pipeline (Stooq then Yahoo Finance), measured accuracy against a naive baseline with MAE, and surfaced results on a live dashboard.

## EXPERIENCE

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**Software Engineering Intern**

Jun. 2025 – Sep. 2025

*CodeHS*

Chicago, IL

*Ed-tech company that teaches CS in schools; worked inside engineering org on a team using Git workflows and review processes as full-time engineers.*

- Configured a local development environment remotely, traced production codebases, and left review comments on code changes under senior engineer mentorship.
- Worked within a Git branching workflow alongside full-time engineers, following the team's PR and code review process from branch creation to merge.

## LEADERSHIP & VOLUNTEERING

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**BAPS – Co-Coordinator**

Sep. 2025 – Present

*Hindu community organization; co-lead the youth program managing volunteers, records, and event logistics.*

- Manage a team of 15 volunteers across community events, handling logistics and budget to keep things on schedule.
- Grew program attendance from 25 to 40+ participants by tightening event structure and reducing friction in coordination workflows.