

Het Dilip Patel

[neo-g5.vercel.app](#)

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SUMMARY

Ambitious Masters graduate with 2 years of experience in web development, now specializing in building AI Agents and integrating LLM workflows into responsive front-end applications. Skilled in designing, developing and deploying Full Stack web applications, with a strong drive to continuously learn, adapt and create impactful solutions. Motivated by creativity and a desire to solve real-world problems that make everyday life easier.

EDUCATION

Master of Computer Science

University of California, Irvine, CA

GPA: 3.95/4.0

Dec 2025

Bachelor of Engineering in Information Technology (Hon. AI&ML)

Savitribai Phule Pune University, Pune, India

GPA: 3.94/4.0

May 2022

TECHNICAL SKILLS

Programming: HTML/CSS, JavaScript, TypeScript, Adobe ColdFusion, C++, C, Python, Java, Go, Dart

Frameworks: Next.js, React, Angular, Node.js, React Native, Flutter, FastAPI

Databases, Cloud & DevOps: Oracle DB, MySQL, MS SQL Server, PostgreSQL, Google Cloud BigQuery, GCP, Azure DevOps, Docker, Git

AI & ML: TensorFlow, scikit-learn, OpenAI Gym, Numpy, Pandas, Reinforcement Learning, CNN, NLP, Prompt Engineering, Agent Design

EXPERIENCE

SLB (Schlumberger)

Pune, India

Software Engineer (Web)

Aug 2022 – Jul 2024

- Led rebranding exercise by updating HTML/CSS for design compliance. Collaborated with design teams and analyzed brand guidelines to ensure UI consistency, earning runner up recognition in the 'Leading in Rebranding' award.
- Refactored 12 API calls in JavaScript to support transition from SOAP to REST, working closely with the upstream team to adapt to new data formats and ensure seamless integration.
- As part of the core development team, maintained three legacy ColdFusion applications by resolving 25+ bugs and implemented 7–8 key features, reducing support tickets by 30% over six months.
- Removed manual user blocking during deployments by developing a role-based user blocking mechanism in JavaScript, ensuring safe testing and rollout, while also reducing deployment time by ~40%.
- Automated the migration of 15,000+ files via a custom web utility, finishing the project one quarter ahead of schedule.
- Decommissioned a project by replicating its web application view pages in BigQuery through 70+ custom queries, ensuring seamless data access while reducing server and licensing costs.
- Established Azure CI/CD pipelines to replace manual deployments, reducing weekly engineering release effort by 75% and standardizing the release cycle.
- Monitored daily performance and system health for six production applications, identifying anomalies and coordinating with assigned POCs to prevent downtime and user incidents.

udChalo | upcurve

Pune, India

Full Stack Development Intern

Jan 2022 – Jun 2022

- Constructed a reusable multiselect dropdown component in Angular to replace redundant code across multiple pages, improving code maintainability and eliminating redundancy.
- Introduced and implemented a new 'View-only' user role by modifying NodeJS APIs to provide read-only access while restricting write/edit permissions, enhancing role based security and access control.

PROJECTS

PerryOps (MedTech Innovation Hackathon Winner) ([Github](#))

Oct 2025

Flutter, Dart, FastAPI, Python, Firebase, AWS, Qwen-32B, MedGemma

- Secured 1st Place by developing a cross-platform mobile application that automates preoperative scheduling and improves patient compliance with surgical protocols.
- Architected REST based microservices to orchestrate specialized LLM workflows, utilizing a parser model for PDF data extraction and MedGemma for generating patient notification schedules.
- Engineered a Flutter frontend backed by FastAPI and Firebase and automated push notifications for critical medical reminders.

Cirque ([Website](#) | [Github](#))

July 2025

Next.js, React, TypeScript, Supabase, Google OAuth, Gemini API, Prompt Engineering

- Developed a responsive full stack web application for tracking and managing job applications. Built intuitive user interfaces using Next.js and Tailwind CSS. Implemented backend services with Supabase for authentication, database management and file storage.
- Reduced onboarding friction by streamlining signup/login flows with Google OAuth and session management using Supabase Auth.
- Built a resume matching feature using Google Gemini API, helping users optimize their applications with tailored feedback.

Pic2Plate ([Github](#))

May 2025

Flutter, Dart, FastAPI, Python, Gemini API, Prompt Engineering

- Developed a cross platform mobile app that recommends recipes from fridge images, improving user meal planning speed.
- Engineered an ingredient detection system using prompt engineering with Google Gemini API to analyze fridge and pantry images and extract grocery items with over 95% accuracy in real-time.