Het Dilip Patel

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SUMMARY

Ambitious Masters graduate with 2 years of experience in web development and a passion for using modern technologies to build innovative digital experiences. 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 **GPA: 3.95/4.0**
University of California, Irvine, CA *Dec 2025*

Bachelor of Engineering in Information Technology *(Honors – AI/ML)* **GPA: 3.94/4.0**
Sinhgad College of Engineering, Pune, India *May 2022*

TECHNICAL SKILLS

Programming: HTML/CSS, JavaScript, Dart, Adobe ColdFusion, C++, Python, Java, TypeScript, Go
Frameworks: Next.js, React, Angular, Node.js, React Native, Flutter, FastAPI
Technologies & Tools: Google Cloud BigQuery, Oracle DB, MySQL, AWS, MS SQL Server, Docker, GCP, PostgreSQL, Azure DevOps, Git

EXPERIENCE

SLB (Schlumberger) Pune, India
Associate Support Analyst – Web Application Developer *Aug 2022 – Jul 2024*
- 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.
- Migrated a standalone ColdFusion app to a centralized server shared across multiple apps which helped to save up on licensing costs.
- 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.
- 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%.
- 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.
- Eliminated manual transfer of project files by developing a web utility to transfer files for specified projects, enabling migration of 15,000+ project files and advancing the decommissioning deadline by one quarter.
- 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.

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 and optimizing AWS Dynamo DB queries 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
- Created a mobile app that helps patients and hospital manage schedule and receive reminders for preoperative procedures before surgery.
- Built the frontend using Flutter (Dart) and backend using FastAPI (Python), with Firebase handling data storage and push notifications.
- Integrated MedGemma LLM using prompt engineering to analyze hospital reports and generate preoperative schedules for patients.

Cirqle (*Website* | *Github*) July 2025
- Developed a responsive fullstack 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
- Developed a mobile app that recommends recipes from fridge images, improving user meal planning speed, using Flutter and Dart.
- 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.
- Deployed REST based microservices to handle image upload, ingredient detection and recipe retrieval, ensuring response latency <500ms.
- Deployed a FastAPI based backend on an AWS EC2 instance for reliable and high performance API connection.

Concrete Crack Repair Guide (*Github*) March 2021
- Architected an Android app, using Java and Android Studio, to display concrete cracks and their repair techniques.
- Implemented RecyclerView to reduce app size from 64MB to 9MB, enhancing performance while also consuming less space.