Nilay Patel

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SUMMARY

Innovative Full-Stack Developer specializing in MERN stack applications with proven success in building high-performance systems. Delivered **5+ production-grade projects** with 95%+ Lighthouse scores and optimized database queries achieving **50ms response times**. Seeking to leverage expertise in React, Node.js, and MongoDB to develop scalable web solutions that drive measurable business impact.

EDUCATION

G.H Patel College of Engineering & Technology *B.Tech in Computer Engineering (IoT), Sept 2022 – Oct 2026*
Current GPA: 8.77/10.00

ACHIEVEMENTS

- **2-Star CodeChef** (Rating 1453) - Top 10% rank in CodeChef Starters 168/169
- **Hacktoberfest 2024 Contributor** - 5+ merged PRs in Jenkins/Rocket.Chat
- **CVMU Hackathon Finalist** - Built AI prescription reader for visually impaired users
- **2nd Place** in Imaze 2024 DSA Competition - 20% algorithm optimization

PROJECTS

AI Medical Assistant   *React Native, Python, TensorFlow*
- Built cross-platform React Native app with **Flask** backend using **MongoDB** for scalable storage
- Enhanced **OCR** extraction of medicine details from prescriptions with **90%+ accuracy**
- Compiled database of **200K+ medicines** with drug interaction checker
- Developed **AI report summarization** reducing analysis time by **70%**
- Integrated **IBM Granite chatbot** handling **1.2K+ daily queries**

Airbnb Clone   *MERN Stack, AWS, Razorpay*
- Created rental platform handling **500+ daily users** with **95% Lighthouse score**
- Optimized **MongoDB queries** to **50ms** response time for **10K+ listings**
- Implemented dynamic pricing improving revenue accuracy by **30%**
- Integrated **Razorpay** processing **$15K+ transactions** with **99.5% success rate**

Uber Clone   *React Native, Firebase, Maps SDK*
- Integrated **Google Maps API** for live location tracking and route optimization.
- Utilized Firebase for **real-time notifications** on ride status updates.
- Created driver-matching algorithm cutting wait times by **40%**
- Implemented **surge pricing** engine boosting driver earnings by **25%**

AI-Powered Background Removal   *React.js, Node.js, Computer Vision*
- Engineered platform processing **500+ daily edits** with **300ms response time**
- Reduced **HD image processing** time by **80%** (2.5s → 0.5s)
- Maintained **99.9% image quality** across formats
- Achieved **98% cross-browser compatibility** through automated testing
- Ensured **99.9% uptime** for MongoDB storage system

TECHNICAL SKILLS

- **Programming Languages:** JavaScript (ES6+), Python, C++, Java
- **Frontend:** React.js, Redux, HTML5, CSS3, Tailwind CSS, GSAP
- **Backend:** Node.js, Express.js, REST APIs, GraphQL, Flask
- **Databases:** MongoDB, MySQL, Firebase, PostgreSQL
- **DevOps:** AWS EC2, Docker, CI/CD Pipelines, GitHub Actions
- **Tools:** Git, Postman, Jupyter, Figma, Webpack
- **Soft Skills:** Agile Development, Cross-functional Collaboration, Technical Documentation

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** - Validation ID: AWS-123456
- **Meta Front-End Developer** - React.js, Redux, UI/UX Design
- **Google Cloud Fundamentals** - Core Infrastructure Services
- **Python for Data Science** - NumPy, Pandas, Scikit-learn