PARAM PATEL

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PROFESSIONAL SUMMARY

Software Engineer focused on building software with purpose. I work with Python, full-stack development, and machine learning to turn real data into applications that solve everyday challenges for people and businesses. I like working on problems where the solution isn't obvious and the impact is measurable. Always tinkering, improving, and shipping work that moves beyond concepts into something real.

EDUCATION

New Horizon College of Engineering (Bengaluru**)**   **| 2023-2027**

- B.E Artificial Intelligence and Machine Learning (CGPA: 9.53)

PROJECTS

1. **AI-Powered Clinical Decision Support System (Deprescribing Platform) |** Dec 2025 – Feb 2026
- Built a full-stack tool to help doctors review patient medications, flag high-risk drugs, and support safer deprescribing using established clinical guidelines.
- Worked on patient-level risk assessment by considering age, frailty, kidney and liver function, and existing conditions to highlight possible medication risks.
- Added an AI-assisted tapering flow that suggests gradual medication reduction plans, includes safety checks and clinician review, and allows tapering to be paused or reversed when needed.

Tech Stack: React, Python (FastAPI), Clinical Rules (STOPP/START, Beers), Gemini, TailwindCSS

2. **EliteClassroom – Online Tutoring Platform** | Nov 2025 – Jan 2026
- Built a two-sided tutoring marketplace platform with student searching and booking, as well as tutors ability to manage sessions and appointments using a dashboard (role based)
- Implemented auth and backend APIs for student and tutor "flows", such as logic for booking a session and validation to prevent overlap / invalid requests
- Helped implement some front-end pages and REST APIs for tutor profiles, session booking, and initial versions of virtual classrooms.
- Used a cloud-hosted PostgreSQL setup (NeonDB) to store and manage user, tutor, and booking-related data.

Tech Stack: React, TypeScript, Express.js, PostgreSQL (NeonDB), Prisma, JWT,

3. **GameSpace – Social Game Discovery Platform** | Dec 2025 – Jan 2026
- Developed a social app for game discovery, game library management, reviews, and friends activity feed.
- Created a fair review and rating system that weights trusted users and most recent reviews to prevent fake reviews and review bombing.
- Improved app performance and UX by optimizing database queries, caching frequently used data, and building well-structured RESTful APIs for frontend/backend interactions.

Tech Stack: Django, Django REST Framework, MySQL, React, TypeScript

WORK EXPERIENCE

Sushi Passion - Japanese Restaurant, Birmingham, UK |Mar 2025 – Sep 2025

Freelance Developer

- Built ML model-based solution to extract 1500+ google customer reviews and get sentiment analysis with 92% accuracy
- Extracted customer preferences from the reviews to determine top 10 rated food items in order to drive and support menu decision
- Used the learned information to build a recommendation engine to display popular items to users

TECHNICAL SKILLS

Programming Languages: Python, Java (Intermediate), JavaScript

Web Development: HTML, CSS, React.js, Node.js, Next.js, Tailwind CSS, Django

Frameworks and Tools: TensorFlow, Keras, PyTorch, Scikit-learn, Hugging Face Transformers, LangChain, Docker, Git, GitHub, Crew AI, Power BI,NeonDB,Supabase

Databases: SQL, PostgreSQL, MongoDB

Other: Data Structures and Algorithms, Object-Oriented Programming (Java), Computer Vision, NLP

CERTIFICATION AND ACHIEVEMENTS

Winner of Docathon 2025-Hacathon

Google IT Automation with python (Coursera) – Coursera

Top 10 Finalist in Confluence 2025 – IEEE CS PESU

Data Science for Engineers (Silver Elite) – IIT Madras

Naukri Campus Skill Contest Certificate of Merit

Certified in Crew AI (Multi-Agent Systems, AI Technologies), 2025