

VIRAJKUMAR PATEL

AI , IOT & COMPUTER VISION DEVELOPER

Vadodara, Gujarat | virajptl00@gmail.com | www.virajptl.com | +91 8140390836

LinkedIn linkedin.com/in/virajptl	Dribbble dribbble.com/vee2002_3	Github github.com/V2patel007	Medium medium.com/@20bt04039
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PROFESSIONAL SUMMARY

Innovative and results-driven Computer Science graduate specializing in IoT, Computer Vision, and AI, with a strong foundation in software and hardware integration, digital marketing, and branding. Adept at blending technical skills with creative design and business acumen. Demonstrated leadership in organizing large-scale events, securing startup funding, and delivering impactful technology solutions. Successfully led 40+ projects globally, combining technical knowledge with creative strategy. Passionate about developing scalable, user-focused products that solve real-world problems through intelligent tech integration.. Eager to leverage technical expertise and entrepreneurial mindset to create scalable solutions for real-world challenges.

TECHNICAL SKILLS

- AI & Machine Learning:** OpenCV, Large Language Models (LLMs), Computer Vision, Prompt Engineering, Natural Language Processing (NLP), REST API Integration, Basic ML Pipelines
- IoT & Embedded Systems:** Arduino, NodeMCU, ESP8266, ESP32, LoRa, ATMEGA 328p, MQTT Protocol, Sensor Integration, Real-Time Monitoring
- AI Tools & Assistants:** OpenAI (ChatGPT), Claude, Llama 3, AI Content Generators, MCP Server, AI Workflow Automation Tools
- Design & UI/UX:** Figma, Adobe Photoshop, Illustrator, Canva, Webflow, After Effects (basic), Wireframing, Prototyping, Accessibility Design
- Platforms & Automation Tools:** Webflow, Wix, Bolt.new, Zapier, FlutterFlow, Manychat, N8N, V0, Docker, Netlify, Supabase, Firebase

WORK EXPERIENCE

Prompt Engineer & MVP Developer (Freelance) Rewamp Digital	May 2024 – Present
<ul style="list-style-type: none">Developed interactive digital experiences using AI tools, large language models (LLMs), and prompt engineering.Led rapid prototyping of MVPs with 80% less time using low-code/no-code platforms to validate startup product ideas.Integrated AI agents into user flows for automated frontend and content generation.Collaborated with product and design teams to bring abstract app ideas to life in real-time.	
Visiting Faculty – Computer Vision, COA & 3D Printing GSFC University	Aug 2024 - Dec 2024
<ul style="list-style-type: none">Delivered expert-level sessions on Computer Vision, Data Science fundamentals, COA and 3D printing applications.Designed hands-on labs and live demos to simplify complex AI concepts for undergraduate students.Mentored students on building real-time CV applications.	
Marketing Executive Vistaraku.com	Jul 2024 – Sept 2024
<ul style="list-style-type: none">Led digital marketing and branding efforts, boosting website traffic and customer engagement.Enhanced user acquisition through a blend of performance marketing and organic growth strategies.Contributed to product visibility through targeted festival campaigns and social media storytelling.	
Business Developer (Contract) Lancaster Grace Co	Jun 2024 - Sept 2024
<ul style="list-style-type: none">Conducted market research and competitive analysis for trending D2C products.Onboarded new SKUs and executed product promotions to drive B2B lead generation.Collaborated on packaging redesign and digital catalogue improvements.	

Academic Associate (IoT) GSFC University	Feb 2024 - May 2024
<ul style="list-style-type: none"> Delivered lab sessions and assisted curriculum design for IoT course modules. Supported students with projects involving ESP32, LoRa, and real-time sensor data systems. 	
IoT Intern Technoride Solutions Pvt. Ltd.	Jan 2024 - Feb 2024
<ul style="list-style-type: none"> Developed “Smart Sense,” a WiFi-enabled smart home system with environmental monitoring. Implemented data capture modules for temperature, humidity, power use, and smoke detection. 	
Prompt & UI Engineer Intern Omega FlexiPack Exim	Jun 2023 – Jul 2023
<ul style="list-style-type: none"> Enhanced marketing efficiency by integrating ChatGPT for social media content generation. Designed UI/UX using Figma and built front-end using HTML, CSS, JavaScript, and AJAX. 	
UI/UX Designer Intern SymbioticNow	Jan 2023 - Feb 2023
<ul style="list-style-type: none"> Designed interface layouts and improved user flows for an event management platform. Conducted UX research and prototyped key screens using Figma. 	
UI/UX & Frontend Developer Intern REVATATVA Healthcare Pvt. Ltd.	Jun 2022– Jul 2022
<ul style="list-style-type: none"> Designed and developed a fully functional e-commerce platform for wellness products. Implemented responsive UI and integrated basic shopping cart features. 	
Designer & Web Developer Freelance	Dec 2020 - Present
<ul style="list-style-type: none"> Completed 50+ projects globally across branding, UI/UX, websites, automation, and digital strategy. Served clients in industries including FMCG, health, education, events, and startups. 	

EDUCATION

B.Tech Computer Science and Engineering with IoT specialization	Oct 2020 - May 2024
GSFC University	
<ul style="list-style-type: none"> Achieved an impressive Cumulative Grade Point Average (CGPA) of 8.86 across four years, culminating with a perfect 10 Semester Grade Point Average (SGPA) in the final semester 	

PROJECTS

Automate Industrial PPE compliance monitoring	Mar 2025
Computer Vision , ML , YOLOv5, OpenCV, Python	
<ul style="list-style-type: none"> Integrated live video stream processing with bounding box annotations and confidence scores. Designed the system to trigger alerts when individuals are detected without helmets. 	
AKSHI – Ai Personal Assistant for the Visually Impaired	2024
Computer Vision, OpenCV, Ai , ML , IoT	
<ul style="list-style-type: none"> Designed wearable tech that detects objects, text, and faces, providing real-time auditory feedback. Led product design, development, and pitch, securing top position at TechXhibit 2024. 	
Switch Sense – Smart Home Automation System	Jan 2024
IoT, Firebase, Embedded Systems	
<ul style="list-style-type: none"> Designed wearable tech that detects objects, text, and faces, providing real-time auditory feedback. Led product design, development, and pitch, securing top position at TechXhibit 2024. 	
Smart Visiting Card (NFC)	Dec 2023
NFC, Web Development , Server less Hosting	
<ul style="list-style-type: none"> Developed a tap-to-share digital visiting card allowing users to share contact data instantly. Streamlined networking via mobile-friendly UI and NFC-enabled interaction. 	
Ai2Docs – Document Intelligence System	Oct 2023
LLMs, Palm API	
<ul style="list-style-type: none"> Built an AI-powered system to classify, summarize, and retrieve documents using NLP. Improved document handling and productivity using large language models. 	

3P3R Robotic Arm

Aug 2023

Microcontroller, Bluetooth

- Designed a programmable robotic arm with precision movement and wireless control.
- Demonstrated automation and robotics integration for education and prototyping.

Smart Sensing System

July 2023

LoRa, NodeMCU, ESP8266, Firebase, PHP

- Created precision farming systems for monitoring soil/environmental data using IoT.
- Upgraded to multi-node LoRa-based system to expand range and efficiency.
- Built sensor modules to capture and analyze humidity and temperature in real-time.
- Stored data in Firebase for dashboard-based monitoring.

Social Media Prompt Generator

June 2023

OpenAI API

- Developed a prompt generator to assist users in creating social media content using AI.
- Boosted content creation speed and consistency for digital marketers.

Smart Waste Segregator for Hospitals

Oct 2018

ATMega328p , Data Analysis

- Designed an automated dustbin capable of sorting waste into categories using sensors.

EXTRACURRICULAR ACTIVITIES

President – Ananta'23, GSFCU

- Led a 220-member team to organize the university's largest annual fest with 3K+ attendees.

Creative & Branding Head – GDSC GSFCU

- Directed branding, content, and visual identity for tech events and community initiatives.

Graphic Lead – Women in Big Data, GSFCU Chapter

- Designed digital assets and visuals to support women-led initiatives in data and tech.

Design Head – C.O.D.E Club, GSFCU

- Created promotional designs and UI concepts for hackathons and tech workshops.

Advisory Committee Member – Ananta'24, GSFCU

- Provided creative and strategic guidance for fest branding and team coordination.

REFERENCE DETAILS

Jatin H Patell - jatinhpatel@gmail.com

- Software Dev. Manager ,Amazon US

Dr. Saurabh Shah - saurabh_er@rediffmail.com

- Director (Talent and Career Development) , Parul University

AWARDS & ACHIEVEMENTS

- ₹2.5L Seed Fund Akshi: Smart Glasses for the Visually Impaired – 2024
- Winner – TechXhibit 2024 – Product Showcase (Akshi) – 2024
- Memento of Excellence – Ananta'23 – Leadership as President – 2023
- 2nd Runner-Up – TechXhibit 2023 – IoT Project (VANDAN) – 2023
- Finalist – Azadi ka Amrit Mahotsav Hackathon – LoRa-based Agri Solution – 2023
- Best Kalakar – Ananta'22 – Creative Visual Design – 2022
- 2nd Runner-Up – Spell of Cipher – Coding Hackathon – 2021
- Winner – Art-a-thon by Ahmedabad Police – Mental Health Illustration – 2021
- Finalist – GCERT Science Exhibition – Smart Dustbin Innovation – 2018
- 1st Place – SOCLEEN Interschool – Environmental Model Making – 2016

ADDITIONAL INFORMATION

- **Patent** : In-Process
- **Key Skills** : Creativity, Leadership, Communication, Decision Making, Problem Solving, Public Relations