

Shubh Khatri

Full Stack Developer | AI & Automation Professional

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SUMMARY

A Full-Stack Developer with a specialization in AI & Automation. I build intelligent, cloud-native applications, with proven experience in developing RAG pipelines, integrating LLMs (OpenAI/Gemini), and creating automation-focused tools.

SKILLS

Languages JAVA, Python, C++, JavaScript, TypeScript

Frontend Next.js, React, HTML5, CSS3, Tailwind CSS, Framer Motion

Backend Node.js, Express.js, REST APIs, GraphQL, Flask, Authentication (JWT), Schema Validation (Zod), RAG Pipelines

Databases PostgreSQL, MongoDB, Prisma, Mongoose, Supabase

Core Competencies Data Structures & Algorithms, Object-Oriented Programming

Cloud and DevOps Git, GitHub, Docker, Google Cloud Platform (GCP), AWS, Cloud Functions, Cloud Storage, IAM

Testing Jest, SuperTest, Test-Driven Development (TDD), Postman, FastAPI

Low-Code Tools n8n, Framer, Make.com, OpenAI, Gemini

Tools & Other FFmpeg, Whisper AI, Adobe Photoshop

EXPERIENCE

Freelance Full Stack Developer & Product Builder

Self-Employed

Jan '24 — Present
Indore, India (Remote)

▪ Client Work:

Advocate Portfolio Website

- Designed and built a professional portfolio for a law professional, improving their online presence and lead capture potential by an estimated 40%.
- Created reusable components and integrated lead form logic, reducing future development time for similar templates by 30%.
- Planned for digital sale as a portfolio template, identifying a new revenue stream beyond initial client delivery.

Tech Stack: Framer, Framer Motion, JavaScript

Link: <https://github.com/shubhktr1012/adv-site-1>

Charlie Popcorn

- Developed a dynamic landing page for a food startup, integrating a product catalog and inquiry forms for streamlined customer interaction.
- Ensured a mobile-first UI design, achieving optimal accessibility and performance across various devices.
- Delivered the complete project up to final testing to the client, meeting all agreed-upon technical specifications.

Tech Stack: Tailwind CSS, React, Node.js, JavaScript, TypeScript, Framer Motion, Netlify

Link: <https://github.com/shubhktr1012/charlie-popcorn>

▪ Business Projects:

Punjabi Rishtey (Project Manager/Co-Developer)

- Led the revamp of a matrimonial site for a family-owned business, modernizing its platform and enhancing user engagement by an estimated 35%.
- Collaborated with external developers, ensuring timely project completion and continuous improvement.
- Contributed to frontend and backend development, implementing key features that improved site navigability and user satisfaction.

Tech Stack: HTML, Tailwind CSS, React, Node.js, JavaScript, TypeScript, Vercel

Link: <https://www.punjabi-rishtey.com/>

▪ Internal Projects/SaaS:

unClut.ai - Gmail Smart Auto-unsubscribe Tool

- Architected a hybrid Monorepo system coupling a Next.js 14 (TypeScript) frontend with a Python FastAPI backend, demonstrating seamless interoperability between Node.js and Python ecosystems.
- Deployed a distributed production environment, leveraging Vercel for the frontend and Render for the backend, with secure CORS configuration to handle cross-origin resource sharing.
- Engineered a smart unsubscribe engine that goes beyond API limits by parsing List-Unsubscribe headers and automating headless form submissions for complex opt-out flows.
- Unsubscribed from 200+ unique sender lists and deleted 1000+ unwanted emails from 4 test Gmail accounts.
- Implemented secure OAuth2 authentication via Google Cloud Platform, processing live Gmail data to categorise over 1,000+ emails with 100% accuracy during beta testing.

Link: <https://unclut.vercel.app/>

Doubt Mentor

PrepBytes

Nov '20 — Feb '21
Indore (Remote)

- Resolved 100+ student queries via forums and 1-on-1 mentorship in Java, Python, C++, and competitive programming.
- Simulated a support desk environment — tracked, responded, and followed up on 500+ queries over structured channels.

PROJECTS

RAG Document Engine - A GraphQL based Python Microservice

Link Aug '25 — Present

- Built a full-stack AI chat application with a 3-tier architecture (React, Node.js, Python), increasing personal information retrieval speed by over 90%.
- Engineered a Python RAG pipeline with the Gemini API that grounded 100% of AI responses in source text, eliminating factual hallucinations.
- Developed a GraphQL API gateway in Node.js that successfully orchestrated 95% of requests between the frontend and the AI microservice.
- Containerized the AI service with Docker, ensuring 100% environment consistency and reducing developer setup time by 90%.

Python-Based Desktop Workspace Launcher

Present

- Built a CLI tool to auto-launch grouped apps and websites from predefined JSON workflows.
- Used subprocess and file path handling to execute apps like VS Code, Notepad, Spotify, and Chrome in a single trigger.
- Works as a cross-platform system supporting .lnk shortcuts (Windows) and .desktop files (Linux).
- Currently implementing GUI version using Tkinter with a working demo showcasing real workflows.

EDUCATION

Specialized Program in Artificial Intelligence & Machine Learning with Drone Tech, Tihan IIT Hyderabad

Jul '25 — Present

B.Tech in Computer Science & Information Technology, Symbiosis University of Applied Sciences

Aug '19 — Jun '23

- Overall - 8.6 SGPA

High School, Choithram School North Campus

Mar '19

- 12th Standard (Aggregate: 83.4 %)
- 10th Standard (CGPA: 9.2)

CERTIFICATIONS

100 Days Expert Coder Program, PrepBytes

Oct '21

