

+91 8306250565
Jaipur, Rajasthan
vatsalgoyal9999@gmail.com

Vatsal Goyal

Full Stack Developer

Portfolio: vatsalgoyal.me
github.com/masterunix
linkedin.com/in/vatsalgoyal93

Experience

IT Consultant

June 2025 – November 2025

450 House of Sourdough

Jaipur, India

- Provided IT consulting and full-stack development solutions for a local bakery business.
- Built a custom web platform using the MERN stack with payment gateway integration and automated inventory management.
- Deployed the solution to production, enhancing online order efficiency and overall business performance through data-driven insights.

Internship

July 2025

Xebia Pvt. Ltd.

Jaipur, India

- Built JobNest, a full stack job portal as my internship project.
- Applied hands-on skills in Python, React.js, MongoDB, Node.js, Express.js, OAuth for authentication.
- Project fully deployed and available at www.job-nest.app

Part-time Web Developer

July 2023 – July 2024

Digispheres Pvt. Ltd.

Jaipur, India

- Developed, delivered and deployed websites for various clients.
- Worked with Full Stack technologies to deliver web solutions.

Core Team Member

First Year

JECRC Incubation Centre

JECRC University

- Represented JECRC Incubation Centre's NEC winning team at IIT Bombay E-Summit 2023.
- Assisted in SISFS startup evaluation rounds, connecting startups with mentors and funding.
- Organized major college events such as, E-Summit, College Fest, and Startup Seminars.

Projects

PocketLM

September 2025 – December 2025

PyTorch, MLX, LoRA, FAISS, TypeScript, Node.js

Personal Project

- Architected a local-first research platform to quantify dataset bias, fine-tuning LiquidAI LFM2-1.2B models via LoRA and MLX to achieve optimized inference on Apple Silicon.
- Trained two 124M-parameter GPT-2 models from scratch (NanoGPT) and implemented a FAISS-based semantic deduplication pipeline to curate high-quality, bias-isolated datasets from Reddit.
- Engineered a low-latency IPC (Inter-Process Communication) layer using JSON-RPC to bridge the React/Node.js frontend with Python model servers, enabling real-time side-by-side inference.
- **Open Source:** Fully documented and Open Sourced at github.com/masterunix/pocketlm

450HOS.com

July 2025

Python, Flask, SQLite, JavaScript, CSS, HTML

450 House of Sourdough

- Built the website and order management system for a local artisanal bakery, improving sales, streamlining ordering and enabling data-driven insights.
- Fully deployed and live at: 450houseofsourdough.com

Achievements and Certifications

Oracle Cloud Certifications: AI Vector Search, Generative AI Professional, Data Platform Foundations, AI Foundations, and OCI Foundations (2025)

Smart India Hackathon: 7th Position in the inter-college competition

Inter-College Events: 1st Position in the intra-college events such as Code-O-Mania, Algo vs Logic

Skills

Computer Languages	JavaScript, HTML, Python, C++
Frameworks & Libraries	PyTorch, Node.js, React.js, Express.js, Tailwind, Flask, Py Data Stack, Genkit
Databases	SQLite, MongoDB

Education

B.Tech in Computer Science & Engineering, JECRC University
Specialization in Full Stack Development

2022 – 2026
Jaipur, India