

Kanishk Kumar

📍 Pune, Maharashtra ✉ kanishkkumar127@gmail.com ☎ 9359323128 in KanishkKumar
🔗 Kanishk2Kumar 📁 Portfolio

Introduction!

I am a Computer Science student passionate about building intelligent systems and deploying them at scale. I've developed RAG-based chat applications using LLMs, deployed them on MCP servers, and written Python scripts for automation and API development. I'm particularly interested in the intersection of machine learning and cloud infrastructure, and I strive to build solutions that are both data-driven and production-ready. I bring a strong ability to design efficient workflows, present ideas clearly, and work with a positive, problem-solving mindset. Backed by leadership experience from multiple hackathons, I'm also proficient in Git, C++, and full-stack development using React and Next.js.

Education

Vishwakarma Institute of Information Technology (VIIT), Pune <i>B.Tech in Computer Science and Engineering (IoT, CS, BT) - 8.5+ CGPA</i>	2023 – 2027
APJ College <i>High School Education</i>	2021 – 2023
SNBP International School <i>Secondary School Education</i>	2011 – 2021

Projects

Phishing Detection with MLOps ◦ Built an end-to-end ML pipeline to detect phishing websites using scikit-learn , MLflow , DagsHub , and AWS EC2 . ◦ Enabled cloud deployment using Docker , automated CI/CD with GitHub Actions , and tracked experiments with MLflow .	github-NetworkSecurity 🔗
SAHAY ◦ Developed a blockchain-powered, AI-integrated platform for transparent and tamper-proof distribution of essential resources with multi-level access for Providers, NGOs, and Admins. ◦ Implemented smart contracts, RAG-based chatbot support, ML-based image and face verification, and AI/NLP-driven NGO validation using web scraping.	github-SAHAY 🔗
SmartFocus – Focus Monitoring App ◦ Built a browser-based monitoring system to track distractions using MediaPipe , TensorFlow.js , and Supabase . ◦ Included features like tab tracking, phone detection, session analytics, and YouTube-based study assessments.	github-SmartFocus 🔗
Vaani – Voice-First Conversational AI ◦ Created a voice-first assistant for financial domains with interruption support, RAG-based context retrieval, and emotion-aware replies. ◦ Integrated customizable IVR flows, plug-and-play APIs, and analytics dashboards using FastAPI , LLM , and speech pipelines .	github-Vaani 🔗
KrishiSathi – AI IoT Farming Assistant ◦ Built a multilingual smart farming platform using ESP32 , soil/NPK sensors, and AI for disease detection and irrigation alerts. ◦ Suggested personalized fertilizers, provided market access for farmers, and integrated government scheme notifications.	github-KrishiSathi 🔗

Experience

Joint WebMaster CSI VIIT

Pune, India
Sep 2024 – Present

- Built and maintained dynamic web pages using React, Next.js.
- Enhanced site performance and accessibility across devices.

Tech Team Member CyberCell VIIT

Pune, India
Sep 2023 – Jan 2025

- Developed questions for CTF challenges and conducted cybersecurity awareness sessions.
- Gained hands-on experience with smart contract security concepts.

Certifications

CCNA: Introduction to Networks

July 2025

This certification provided me with foundational knowledge of networking concepts, including IP addressing, Ethernet, and network protocols.

[View Certificate](#) 

CCNA: Switching, Routing, and Wireless Essentials

August 2025

This certification deepened my understanding of network switching, routing technologies, and wireless connectivity in enterprise environments.

[View Certificate](#) 

Technologies

Languages: Python, TypeScript, JavaScript, C++, SQL, Solidity

Frameworks: React, Next.js, Express.js, TensorFlow, Transformers

Tools: Git, Docker, Kubernetes, MLflow

Platforms: GitHub, AWS, Hugging Face, DagsHub, Google Colab

SoftSkills: Leadership, Communication, Teamwork, Problem-Solving, Time Management, Adaptability