

Samyak Raka

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EDUCATION

- **K. K. Wagh Institute of Engineering, Education and Research** Nashik, India
Bachelor of Technology - Computer Engineering; CGPA: 8.71/10 2022 – 2026
- **Matoshri Junior College** Mhasrul, Nashik
Senior School (12th); Passed with 83% 2022
- **Espalier The Experimental School** Nashik
High School (10th); Passed with 89.8% 2020

SKILLS

- **Programming Languages:** C++, C, Python, HTML, JavaScript, TypeScript
- **Machine Learning:** TensorFlow, Keras, PyTorch, NumPy, Pandas, OpenCV, OCR, Google ML Kit, Langflow, LangChain, NLP, RAG
- **Web Development:** Flask, FastAPI, MySQL, MongoDB, CSS, Tailwind CSS, Bootstrap, Firebase, ReactJS, React Native, ExpressJS, NodeJS, NextJS, Streamlit
- **APIs and Tools:** Yt-dlp, SpeechRecognition, gTTS, REST APIs, LLMs, Razorpay, Stream Chat, Cloudinary, Duckduckgo
- **Developer Tools:** Git, GitHub, VS Code, AWS-S3, Arduino IDE, Android Studio, Docker, Vercel
- **Others:** Figma, Pinecone, Data Structures, Algorithms, OOP, System Design, Encryption (AES), Blockchain (PKI, Hashing)

PROFESSIONAL EXPERIENCE

- **Crowdera** Remote
AI Enablement Intern - Founder's Office June 2025 – June 2026
 - **Description:** Built and deployed AI-driven applications, intelligent agents, and data-driven decision systems, integrating LLMs, RAG architectures, and automation workflows into scalable products. Contributed across the full product lifecycle, from system design and model experimentation to production deployment and optimization.
 - **Technologies used:** AI, ML, LLMs, RAG, NLP, Vector Databases, Next.js, Firebase, MongoDB, Python, AWS
- **CaDashboard** Remote
AI Engineer - Part Time May 2026 – June 2026
 - **Description:** Built and deployed AI-driven knowledge systems leveraging LLMs, RAG architectures, and vector databases to deliver domain-specific insights from real organizational data. Developed intelligent FAQ assistants, retrieval pipelines, and conversational AI solutions for taxation, compliance, and financial advisory workflows.
 - **Technologies used:** AI, LLMs, RAG, Pinecone, MySQL, Python, NLP
- **Hacktoberfest 2023 & 2024** Remote
Open Source Contributor Oct 2023 – Oct 2024
 - **Contributions:** Contributed to 14+ open-source repositories by improving documentation, fixing bugs, and adding new features. Collaborated with a global community of 10,000+ developers, gaining hands-on experience in collaborative coding and software enhancement.
 - **Technologies:** C++, Python, Machine Learning

PROJECTS

- **Transformer-Based Web Application Firewall (AI-Powered WAF)** : AI-powered WAF using a DeBERTa-based Transformer to detect zero-day and anomalous web requests in real time with Nginx sidecar integration and incremental model updates.
Tech: Python, PyTorch, DeBERTa-v3, Nginx, Docker, Redis, FastAPI, Unsupervised Anomaly Detection
- **KYCrypt AI (AI-Powered KYC Verification Platform)** : AI-driven KYC verification platform for SME businesses enabling secure identity validation, fraud detection, and blockchain-based audit with end-to-end encrypted workflows.
Tech: Next.js, Tailwind CSS, Firebase, Node.js, FastAPI, Python (OpenCV, Tesseract), MongoDB, Blockchain, Vercel, GitHub, AES Encryption
- **Medibites (GenAI-Powered Restaurant Ordering & Appointment Scheduling)** : Dual-interface GenAI platform for restaurants and medical scheduling with voice/chat AI.
Tech: Next.js, Flask, Python, Vercel, Firebase, Razorpay, Stream Chat API, Mistral AI, Eleven Labs, Cloudinary, GitHub
- **SocioDev (Connecting Innovators, Sharing Knowledge)** : Tech community app enabling social sharing, AI-generated articles, and content bookmarking.
Tech: React Native, Firebase (Auth, Firestore, Storage), Grok for AI, NativeWind CSS, GitHub

ACHIEVEMENTS

- **4× Hackathon Winner** – Won Technitude Global Hackathon (SP Jain Institute, Sydney), Hack4Real Good (Crowdera), Prompt & Profit AI Hackathon (DTU × Blogy), and LoRRI AI Hackathon 2026 (LogisticsNow).
- **Team Leader, Smart India Hackathon 2024 & 2025 Finalist** – Led teams for the UIDAI Problem Statement at MUJ Jaipur (2024) and the ISRO Problem Statement at GTU Ahmedabad (2025).
- **National-Level Competition Finalists** – Top 10 Finalist at Shaastra Smart City Challenge (IIT Madras), Top 1000 in IMC Prosperity 4 and Amazon ML Challenge (60K+ teams), and finalist positions in OpenHack (IISc Bangalore), SunHacks, Kleos 2.0, Level SuperMind Hackathon, Incuverse 1.0, and other national hackathons.
- **Founder & Developer, Expenseseek** – Built and launched an expense-tracking and bill-splitting mobile application on Google Play Store, achieving 50+ downloads and maintaining a 5.0 user rating.

CERTIFICATIONS

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| • Complete Data Science, Machine Learning, DL, NLP Bootcamp - Udemy | (Jul 2025) |
| • The Ultimate React Course 2025: React, Next.js, Redux & More - Udemy | (Jul 2025) |
| • React Native – Infosys SpringBoard | (Apr 2025) |
| • AWS Academy Graduate – Cloud Foundations | (Mar 2025) |