

RAKHESH KRISHNA P

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EDUCATION

Easwari Engineering College <i>B.E. Computer Science and Engineering (AI & ML) - CGPA: 8.59/10</i>	2022 - 2026 Chennai, India
Velankanni Matriculation Higher Secondary School <i>Stream: Mathematics and Computer Science - Class 10: 94%, Class 12: 90.33%</i>	2007 - 2022 Chennai, India

TECHNICAL SKILLS

Languages: Python, C, Java, HTML, CSS, JavaScript, Server-Side JavaScript, AMPscript
Frameworks: Next.js, PyTorch, Scrapy, LangChain
Libraries: React.js, TensorFlow, XGBoost, NumPy, Pandas, Sklearn, OpenCV, NLTK, Beautiful Soup, Socket.IO
Backend and Databases: Node.js, Express.js, Flask, FastAPI, MySQL, MongoDB, PostgreSQL, Supabase
Developer Tools: VS Code, Git, GitHub, HuggingFace, Jupyter, Colab, Postman, Tableau, Bash, Docker

EXPERIENCE

Gen Digital (formerly NortonLifeLock) <i>Salesforce Developer - Marketing Cloud</i>	Jan 2026 - Present Chennai, India
<ul style="list-style-type: none">Migrating an event-driven email delivery system from a legacy eStore to SFMC using API-based JSON payloads.Parsing and integrating JSON data via APIs into Triggered Data Extensions to power automated email workflows.Building dynamic, localized email templates using Data Extensions and subscriber attributes.	
SRM Dental College <i>Research Intern</i>	March 2025 - April 2025 Chennai, India
<ul style="list-style-type: none">Analyzed 10+ medical papers to extract tumor response data and assess cancer drug efficacy.Extracted metrics such as tumor inhibition, volume, and multiplicity, creating a dataset with 200+ data points.	
Trios Technologies Private Limited <i>Artificial Intelligence Intern</i>	July 2024 - August 2024 Chennai, India
<ul style="list-style-type: none">Engineered a deep learning pipeline using ResNet50 for dementia classification from MRI scans with 98.91% accuracy.Streamlined data preprocessing to handle 210+ scans per minute, significantly improving inference throughput.	

PROJECTS

EchoStream AI - Video Insights Generator: Node.js, Socket.IO, Whisper, BullMQ, Redis, Supabase, Docker GitHub
<ul style="list-style-type: none">Built AI audio service with Node.js, BullMQ, Redis, handling queued jobs at 95% success with Whisper transcription.Deployed WebSocket with live transcription, reducing client polling 80% and scaling background workers via Cluster.Containerized with Docker Compose, reducing deployment time by 40% and enabling horizontal scaling of queue jobs.
LiveDocs - Collaborative Editor: Next.js, TypeScript, Socket.IO, Node.js, Express.js, Tailwind, JWT Auth GitHub
<ul style="list-style-type: none">Designed and deployed a real-time collaborative editor with less than 100ms latency and live sync via WebSockets.Integrated secure JWT-based authentication, session handling, and tokenized document access.Handled global state with React Context API and protected routes using custom middleware.
RagFlow API: Python, Streamlit, Langchain, FAISS, Gemini Embeddings, Groq API, Docker, GitHub Actions GitHub
<ul style="list-style-type: none">Built a REST API with FastAPI, adding Bearer authentication, rate limiting (10 req/min), and structured logging.Deployed the API as a standalone service and integrated it with a Streamlit client for modular and scalable usage.Reduced query latency by 40% via parallel embedding generation with ThreadPoolExecutor.Automated deployments with Docker and GitHub Actions, ensuring reproducible builds, and 99% uptime.

HONORS AND AWARDS

- Awarded **runner-up** position in the MINT hackathon hosted by **PALS, IIT MADRAS**, with a cash prize of INR 10,000.
- Finalist at the **Smart India Hackathon 2024** held at **IIT GN**, and led a team of 6 to develop a construction monitoring AI.
- Awarded **2nd runner-up** position in the AI hackathon hosted by Stella Maris College with a cash prize of INR 2000.
- Awarded **2nd prize** for a **project poster presentation** on **Real-Time Fire and Flood Detection**.
- Qualifier** at the **100x GenAI Buildathon 2.0**, built an automated hiring platform with voice AI interviewer support.

PATENTS AND CERTIFICATIONS

- Published a **patent** titled AI-Driven Road Construction Activity and Progress Monitoring System. IPA No. 202541007268
- Microsoft:** Azure Fundamentals (AZ-900), **Google:** Cloud Computing Foundations
- IBM:** Data Science with Python, Machine Learning with Python, Deep Learning with Python, Data Analysis Using Python
- NPTEL:** Foundations of R Software, Data Analytics with Python

POSITION OF RESPONSIBILITY

- Built and deployed a web-based voting platform using Flask and PostgreSQL for college elections.
- Led a hands-on workshop on computer vision-based PCB defect detection for 40+ EEE students.