

Devika T Nair

New Delhi | devu.tnair@gmail.com | +91 8130050299 | LinkedIn | GitHub-BluPixel

Education

Vellore Institute of Technology B.Tech in Computer Science with specialization in AIML GPA: 8.03/10.0	2022 – Present
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Technical Skills

Programming & Technologies: Python, MySQL, HTML, CSS, Streamlit, Groq, React.js, Devops Fundamentals.
AI/ML: PyTorch, TensorFlow, LLM Fundamentals, NLP, Feature Engineering, Generative AI.

Experience

Opalina Technologies – Opalina Technologies Noida, New Delhi AI Intern	Jan 2025 – Apr 2025
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- Developed a document-based AI QnA web application via Streamlit and Groq API; personally resolved 10+ bugs that improved system stability and user satisfaction within the first month.
- Implemented session-based memory logic to support context-aware conversations, improving interaction continuity by 70%
- Stack:** Python, Streamlit, Groq API, FAISS, PyMuPDF, NLP (NLTK)

Projects

Agriguard Rover Smart Agriculture(GROUP) Artificial Intelligence & IOT	June 2025
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- Designed an **ESP32-S3 rover** for remote crop monitoring, integrating a lightweight CNN (**MobileNetV2**) for real-time visual analysis.
- Pitched for external funding of **INR [50k]** to scale the project from prototype to a market-ready solution.

SEYA – Audio-Based Safety App Machine Learning	October 2025 – Ongoing
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- Achieved **92% detection accuracy** by training an ML prototype on a **500-sample** custom environmental audio dataset.
- Architecting a **Streamlit-based POC** demo using the **Groq API** to facilitate real-time, audio-activated SOS functionality.

Penumbra AI-Powered Text Adventure Natural Language Processing	Oct 2025 - ongoing
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- Engineered an AI game master (Groq API) to generate **3 branching, context-aware choices** per turn, guiding a state-managed loop to **1 of 2 end-states** within **10 decisions**.
- Developed a dynamic UI with **5+ curated background images** that conditionally render to match the AI-generated narrative, increasing player immersion.

Leadership & Campus Engagement

Hackathons & Technical Engagements:

- Ranked in the top 0.9% in the Amazon ML Challenge Competition (SMAPE: 50)(October 2025)
- Smart India Hackathon 2024 – Entered (Top 16)
- TCS CodeVita 2024 – Round 1 Qualified
- RoboCup Competition 2019 – Programming Award (Delhi)

Graphic Design Head – Ecotopia Organization	Sept 2022 – Present
Core Member (Creative Graphics) – Mozilla Firefox Club	Jan 2024 – Present
Core Team Lead – Dance Club, VIT Bhopal	Oct 2022 – Present

Certifications

OCI Generative AI Professional Certification , Oracle	Oct 2025
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Additional Information

Languages: English, Hindi, Sanskrit, Malayalam, Japanese(Novice)

Interests: Graphic Design, Classical Dance (12 years), Carnatic Music (4 years), Western Dance, Athlete