

HARIOM ACHARYA

Full Stack Developer | AI/ML Engineer | Cloud Systems Architect
+91 8130311111 | hariomacharya2@gmail.com | [portfolio](#) | [linkedin](#) | [github](#)

EDUCATION

LDRP Institute of Technology & Research (LDRP-ITR)

B.Tech in Computer Engineering

Gandhinagar, IN (2023 – 2027)

CGPA: 8.64/10 | Current SPI: 9.29/10 (6th sem)

TECHNICAL SKILLS

- **Languages & Core:** Python, JavaScript, TypeScript, C++, HTML/CSS
- **Frontend Development:** React.js, Next.js, TypeScript, Tailwind CSS, Responsive Design
- **Backend Development:** Node.js, Express.js, FastAPI, REST APIs, JWT Authentication, Real-time Systems
- **AI & Machine Learning:** Prompt Engineering, LLM Integration (Claude/Gemini/OpenAI), Scikit-learn, TensorFlow, Predictive Analytics, Feature Engineering
- **Cloud & Database:** AWS, Supabase, PostgreSQL, MongoDB, Database Design & Optimization
- **DevOps & Tools:** Git/GitHub, Docker basics, VS Code, CI/CD fundamentals
- **Networking & Infrastructure:** DNS Configuration, Network Protocols, Switch Configuration, Routing Fundamentals, Cisco Packet Tracer

PROFESSIONAL EXPERIENCE

NST Private Limited

Technology Intern

Ahmedabad, IN

May 2026 – June 2026

- Learned and applied core **networking fundamentals and infrastructure management**, including **DNS configuration**, network protocols, and enterprise networking best practices at a major networking/cloud/cybersecurity company.
- Gained hands-on understanding of **network topology and domain name systems** at scale during enterprise infrastructure work.
- Built and shipped **EaseExpense**, a complete full-stack web application, demonstrating end-to-end product ownership from concept to deployment.

KEY PROJECTS & ACHIEVEMENTS

Vox-Hire — AI-Powered Recruitment Platform

MVP in active development

- Designed an end-to-end **AI-driven recruitment platform** combining applicant tracking, adaptive mock interviews, automated coding evaluations, and job application management.
- Engineered **intelligent interview workflows** that adapt to candidate background and responses, powered by Claude/Gemini APIs with sophisticated prompt engineering.
- Integrated **automated coding round evaluation** with real-time solution checking and performance feedback.
- **Tech Stack:** React/TypeScript, Node.js/Express + FastAPI, Supabase/PostgreSQL, Claude/Gemini APIs

PhishGuard — Advanced Phishing Detection System

Live deployment

- Built a **multi-layered threat detection system** combining multiple security intelligence sources to identify malicious URLs with high accuracy.
- Integrated **VirusTotal threat intelligence** (70+ antivirus engines) and **WHOIS-based domain intelligence** with heuristic phishing pattern detection.
- Trained and deployed a **Random Forest classifier** in Scikit-learn on Kaggle phishing datasets, delivering a 0–100 risk score with detailed threat breakdowns.
- **Tech Stack:** FastAPI, Next.js/React, Scikit-learn, VirusTotal API, Google Colab

EaseExpense — Full-Stack Budget Management Platform

Production-ready (built during NST internship)

- Designed a full-stack **expense tracking application** with category-based budget allocation and real-time logging for cash and online transactions.
- Built an **automated email notification system** alerting users as spending approaches or exceeds category limits, plus **automated monthly PDF reports**.
- **Tech Stack:** Node.js/Express, React, Supabase/PostgreSQL, Email Integration, PDF Generation

IoT-Based ML Machine Failure Detection System

MVP with live dashboard

- Developed an **end-to-end predictive maintenance system** combining IoT hardware, real-time data processing, and ML for industrial equipment monitoring.
- Programmed **ESP32 microcontrollers** to stream temperature, vibration, and acoustic sensor data in real time; trained **Scikit-learn models** on Kaggle datasets to predict failures and estimate remaining useful life (RUL).
- **Tech Stack:** ESP32, Python/Flask, Scikit-learn, React Dashboard

Mira AI — Multi-Model Personal AI Assistant

Live deployment

- Built a **multi-backend AI chatbot** that routes queries across LLM providers based on optimal performance, integrating **Groq API** for speed and Claude/Gemini for nuanced responses.
- Implemented **Tavily web search integration** for real-time information retrieval; deployed to production on Vercel.
- **Tech Stack:** React/TypeScript, Node.js, Groq API, Claude/Gemini APIs, Tavily Search, Vercel

HACKATHONS & COMPETITIONS

MediMap — Smart India Hackathon (SIH) 2024

Participant

- Proposed **MediMap**, a built-in map-based system to check real-time availability of a specific medicine across nearby listed pharmacies/stores.
- Designed the concept around store-level medicine inventory lookup, helping users quickly locate where a required medicine is in stock instead of visiting multiple pharmacies.

Solar-Tracking Panel System — AI Intel Hackathon

Participant

- Proposed an **automated solar panel rotation system** that uses historical sun latitude/longitude position data to predict the sun's path.
- Designed the control logic so a **motor rotates the solar panel** to align with the predicted sun position, improving light capture without relying solely on real-time sensors.

CERTIFICATIONS & CONTINUOUS LEARNING

- The AI Engineer Bootcamp — Udemy
- Probability & Statistics — Udemy
- Python for Data Science — NPTEL