

Hariom Kumar Pandit

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EDUCATION

Excel Engineering College, Tamil Nadu

Degree (Bachelor of Engineering), Computer Science and Engineering

Nov 2022 - May 2026

CGPA – 7.56

Ram Dayal Subh Narayan High School, Chhapra

12th (Science)

Nov 2020 - March 2022

Marks - 57.6%

PROFESSIONAL EXPERIENCE

Freelance Developer - Remote

As developer with experience of NextJS, ReactJS, and Flask like technologies.

[Aug 2024 -Present]

Tamil Nadu, India

- Delivered full-stack web applications and AI-driven tools for startups and small businesses.
- Designed and deployed scalable web platforms using React.js, Next.js, Node.js, Flask with APIs.
- Implemented data scraping and Automation tools using Python and BeautifulSoup to automate workflows.
- Built secure, multifunctional custom back-ends and AI agents for student mini projects within the college campus.

ACHIEVEMENTS

1st Place – AI-Powered Hackathon

[March 2025]

Excel Engineering College (Autonomous) & Payoda Technology Inc.

- Designed and deployed a **production-level AI agent** integrated with a **Chatbot and Smart Appointment System**, improving patient interaction efficiency.
- Built **secure backend routes** to prevent unauthorized access using **Supabase Auth & RLS policies**.
- Developed **real-time data workflows** and **database storage integration**, achieving 99.9% uptime in testing environments.
- Led a 6-member team, delivering a working MVP within 30 hours.

Software Engineer Certification Exam – HackerRank

[December 2025]

Earned **Software Engineer Certificate** from **HackerRank** by problem-solving through three coding tests.

- Earned certification by completing **3 rigorous coding tests**, focusing on real-world problem solving.
- Wrote **optimized, readable code** in **Python** and **JavaScript**, meeting strict time and space constraints.
- Tackled advanced challenges in **SQL** and **REST APIs** to simulate seamless system communication.

SKILLS

Languages - Python (+Flask), JavaScript(+TypeScript, Node.js) , Bash

Tool - Selenium (Basic), Git, GitHub, Vercel, NLP, BeautifulSoup, Transformers, Lang-Chain, Ollama, Hugging-Face.

TECHNICAL PROJECTS

AI-Powered Customer Support System

[June 2025]

An AI-driven customer service automation system using Flask, **Lang-Chain**, **NLP**, and **Sentiment Analysis**.

- Automated ticket classification, sentiment-based prioritization, and **SLA management** to reduce manual effort and delays.
- Integrated **LangChain** for context-aware replies and article suggestions from internal documentation.
- Improved response time by 75% and **agent productivity** by 2.4× through intelligent workflows and real-time dashboards

AI-Powered Multi-Agent Negotiation Platform

[May 2025]

A real-world simulation tool that solves 80% of price negotiation using autonomous agents powered by Google Gemini.

- Solved challenges in **dynamic pricing**, **buyer-seller deadlocks**, and **market-based negotiations**, reducing manual intervention by over **75%**.
- Developed a **multi-agent framework** (Buyer, Seller, Mediator) that improved negotiation success rates by **+60%** using adaptive AI strategies and market-aware pricing.
- Enabled real-time price convergence and strategic decision-making in e-commerce, B2B sales, and marketplace optimization scenarios with **live analytics** and behavioral intelligence.

Video Listener -AI Agent

[April 2025]

An **AI-powered meeting recording, transcription, tool** - **Flask, Google Generative-ai, OpenAI-Whisper**

- Built an AI-powered meeting tool that transcribes, summarizes, and enables chat-based search over past recordings using **Whisper** and **Generative AI**.
- Solved 90% of manual note-taking and meeting recall issues for teams through real-time audio capture and intelligent topic exploration.

Exam Genius – AI Agent

[March 2025]

AI-powered exam generator which automate exams and test – **Typescript, Gemini API, Supabase Database**

- Designed dynamic question generation, real-time database workflows, and secure user management.
- Reduced manual test creation time by 85% and ensured secure, scalable exam workflows with automated user and data handling.

Med Assess – Healthcare Platform | AI Powered

[December 2024]

Healthcare AI -powered platform designed to provide each medical information and resources from single platform

- Implemented features like disease assessments, AI-driven medical chatbots, a doctor appointment system, and access to government healthcare schemes, insurances like medical services and resources.
- Integrated secure user access routing using Protect-Route in the Supabase back-end workflows to secure the resource.

LEADERSHIP EXPERIENCES

Overall Mentor & Coordinator, Open-Source Contribution Program - [Site](#)

[March - 2025]

Led with technical team at Excel Engineering College to accomplish open-source projects and developer tools.

- Initiated structured Git and GitHub training programs, enabling participants to build real-world projects collaboratively
- Guided over 100+ students in understanding the open-source ecosystem and making their first contributions
- Mentored contributors in learning modern technologies including React, Node.js, and Python-based automations.

Coordinator & Mentor, Techno-Debuggers Coding Contest - [Site](#)

[April - 2025]

Led a department-level technical contest aimed at enhancing second-year students problem-solving and coding skills

- Organized and executed a three-round event featuring MCQs, coding challenges, and debugging tasks on Hacker-Rank.
- Collaborated with faculty, the Head of Department, and event volunteers of Excel Engineering College to design and deliver engaging technical rounds.
- Received strong appreciation from faculty and students for effective leadership, smooth coordination, and technical relevance.

CERTIFICATIONS

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|-----------------------------------------------------------------------------------------------|----------------|
| • Generative AI (Databricks Academy) - Site | [20-July-2025] |
| • Enterprise Data Science (IBM) - Site | [08-Nov-2023] |
| • Career Essentials in Generative AI (Microsoft & LinkedIn) - Site | [24-Oct-2023] |
| • Programming in Python (CISCO) - Site | [11-Aug-2023] |