

HARSH SINHA

9471210409 | harshsinha79030@gmail.com | linkedin.com/in/harsh-sinha-4a3996292 | github.com/Harsh94712

EDUCATION

Raj Kumar Goel Institute of Technology (AKTU) — B.Tech, Computer Science Engineering

Aug 2023 – Present

Ghaziabad, UP | Current SGPA: 8.1

Govt. Boys High School, Patna — Intermediate (Class XII), BSEB

June 2023

Patliputra Central School, Patna — Matriculation (Class X), CBSE

June 2021

EXPERIENCE

VAPT Intern, Tata Advanced Systems

Aug 2026 – Sep 2026

Project: Internal ISO Compliance Tool

- Analyzed the end-to-end workflow and architecture of an internal ISO compliance tool, focusing on LLM-based document processing and AI-driven analysis.
- Researched lightweight Chinese AI/LLM models to identify suitable solutions for efficient document processing and AI workflows.
- Integrated OpenOCR into the existing document-processing pipeline to enable OCR-based text extraction from scanned and image-based documents.
- Dockerized the application and configured IP-based local network access, enabling the tool to be accessed by devices on the same Wi-Fi network.
- Explored LangChain-to-LangGraph migration, studying graph-based workflow orchestration, state, nodes, edges, and execution parameters.
- Conducted SOUP testing of a Chinese AI model and created a dedicated evaluation dataset for testing and analysis.

Winter Internship Trainee, Netcamp Solutions Pvt. Ltd. (with RKGIT) — Ghaziabad, UP

Dec 2024 – Feb 2025

- Completed industrial training in Network Management, Web Development, and Android Development (Core Java); gained hands-on experience across networking, web technologies, and app development.

Frontend Web Development Intern, CodeAlpha — Remote

Jan 2025

- Built responsive web apps with HTML/CSS/JS, incl. a Calculator (Day/Night mode) and a Music Player with theme switching and local playback; deployed via Vercel and version-controlled on GitHub.

President, Binary Club — CSE Department, RKGIT

Oct 2024 – Present

- Organized technical events (Binary Tech Auction, Binary Hacks 3.0, coding competitions) and led team planning and execution.

PROJECTS

MindBridge AI

React, TypeScript, Tailwind, Node.js, Express, Python, FastAPI, Firebase | Aug 2026

- Built a full-stack bilingual (English/Hindi) AI student mental-wellness platform featuring an AI chatbot, mood tracking, journaling, analytics, streaks, and personalized recommendations.
- Integrated Firebase Authentication and Firestore for user management and real-time data storage, with Python/FastAPI services supporting the AI-powered backend functionality.

Agronova

React, Firebase, TypeScript, Tailwind CSS, EmailJS | Aug 2025

- Developed a gamified agri-education platform with interactive quizzes, an AI-powered planting assistant, progress tracking, and a real-time leaderboard to enhance user engagement.
- Implemented Firebase Authentication/database integration and EmailJS communication features, and deployed the application on Vercel.

Smart AI Resume Generator

Python, Streamlit, Gemini API, HTML, CSS | Sep–Oct 2024

- Developed an AI-powered resume builder using the Gemini API to generate professional resume content with customizable templates and user-driven inputs.
- Implemented real-time editing, live preview, and dynamic resume generation, with the application deployed on Streamlit Cloud.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, HTML, CSS, TypeScript

Frameworks / Technologies: React, Tailwind CSS, Streamlit, Firebase, Node.js, Express, FastAPI

AI / APIs: Gemini API, Hugging Face Transformers, PyTorch, RAG, EmailJS

AI Tools: Claude Code, Cursor, GitHub Copilot, ChatGPT/Gemini for AI-assisted coding, debugging, and prototyping

Developer Tools: Git, GitHub, VS Code, Vercel, Streamlit Cloud

Core Subjects: OOPs, DBMS, Operating Systems, Computer Networks

CERTIFICATIONS

- Programming in Java — NPTEL (May 2025)
- Java Certification — HackerRank (Dec 2024)
- CSS Certification — HackerRank (Dec 2024)
- Cyber Job Simulation — Forge
- Tata Group - Cybersecurity Analyst Job Simulation — Forge
- Introduction to MS Excel — Microsoft