

KARTIK TIWARI

Full-Stack Developer | ML Integration | Agentic AI

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Final-year BCA student and self-driven developer at the intersection of full-stack engineering and applied AI. Independently architected and shipped a production-grade ML diagnostic web app (CardioCore) and a 5.0-rated autonomous AI agent—both live and publicly accessible. Led a Google Developer Group chapter for 6 months and completed a Python development internship, demonstrating both technical depth and team leadership. Actively seeking full-time roles or internships in software development, ML integration, or product engineering.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript (ES6+), SQL, HTML5, CSS3
- **AI/ML:** Machine Learning, Pandas, NumPy, Agentic AI, Prompt Engineering, LLM APIs
- **Frontend:** Responsive Design, DOM Manipulation, UI/UX Principles, Netlify
- **Backend & Cloud:** FastAPI, REST APIs, Render, Aiven Cloud MySQL, CI/CD Pipelines
- **Tools:** Git, GitHub, VS Code, Jupyter Notebook
- **Soft Skills:** Team Leadership, Cross-functional Collaboration, Problem Solving

EXPERIENCE

Python Development Intern | QSkill Media SR INDIA (Remote) Apr 2026 – May 2026

- Built 6+ Python applications across banking, hospital, and hotel management domains using OOP, file I/O, and SQLite, delivering each as a working, standalone system.
- Developed utility tools including a Password Generator, QR Code Generator, and Personal Expense Tracker, demonstrating practical range across real-world problem domains.
- Received a Letter of Recommendation from the Co-Founder of SR INDIA for strong productivity and fast adoption of emerging technologies.

Head of Management | GDG on Campus, HRIT (Google Developer Group) Aug 2025 – Jan 2026

- Directed chapter operations for 6 months, owning event planning, workshop logistics, and cross-team coordination for a developer community of 100+ students.

- Organized tech talks, hackathons, and skill-building workshops that improved member engagement and technical skills across the campus community.
- Developed stakeholder communication and agile project management skills in a fast-paced, volunteer-led environment.

PROJECTS

CardioCore - Full-Stack ML Diagnostic Application

Tech Stack: Python, FastAPI, JavaScript, MySQL, Render, Netlify, Aiven Cloud | **Live Link:** cardiocore-kartik.netlify.app

- Architected and deployed a fully decoupled cloud application that combines a trained predictive ML model with a professional, responsive healthcare UI live in production.
- Built a secure FastAPI REST backend hosted on Render to process patient vitals and interface with a managed Aiven Cloud MySQL database, handling real data end-to-end.
- Configured an automated CI/CD pipeline from GitHub to Netlify for zero-touch frontend deployment, successfully resolving CORS constraints and production environment variables.

LinkedIn Profile Coach - Autonomous AI Agent

Tech Stack: Agent.ai, Agentic AI Design, Prompt Engineering | **Live Link:** agent.ai/agent/srq2a11gg9302cm1

- Designed and deployed an autonomous AI agent that analyzes a user's LinkedIn profile and generates personalized, engagement-optimized content strategies.
- Achieved a perfect 5.0/5.0 user rating on the Agent.ai platform, validated by real users without any manual promotion.
- Demonstrated applied mastery of agentic design patterns: goal decomposition, multi-step reasoning, context handling, and output personalization.

Automated Data Visualization Dashboard

Tech Stack: HTML5, CSS3, JavaScript (ES6+), Python (Plotly) | **Live Link:** kartiktiwaridev7.github.io/Dashboard

- Engineered a client-side web application that automates Exploratory Data Analysis (EDA) by dynamically parsing and transforming uploaded JSON datasets into visual analytics.
- Integrated interactive, multi-format responsive charts featuring single-click canvas image downloads for seamless chart exporting.
- Designed a clean, intuitive, framework-free frontend interface from scratch, streamlining client-side JSON uploading, validation, and dynamic UI state updates.

Personal Portfolio Website

Tech Stack: HTML5, CSS3, JavaScript (ES6+) | **Live Link:** kartiktiwaridev7.github.io/My-Portfolio-2

- Built a fully responsive, multi-section portfolio from scratch featuring smooth scroll, dynamic transitions, and a mobile-first layout without any CSS frameworks.

- Serves as a live showcase of frontend skills, live projects, certifications, and professional background.

EDUCATION

Bachelor of Computer Applications (BCA) | HRIT Group of Institutions, Ghaziabad (CCSU University)

- Status: Semester VI (Final Exams: May 2026)

CERTIFICATIONS & TRAINING

- Python Development Internship Certificate – QSkill / SR INDIA (May 2026)
- Certified Data Analyst – Brain Mentors (Jan–Jun 2025)
- Agentic AI Starter Course – Saumya Singh (2025)
- Climate Change and AI – Ecology Circle Dialogue, TERI School of Advanced Studies (Feb 2026)
- Cyber Security Seminar – HRIT (2024)

KEY ACHIEVEMENTS

- Independently deployed a full-stack ML app (CardioCore) on a multi-cloud architecture using Render, Netlify, and Aiven MySQL—from model training to live production.
- Shipped a live AI agent independently; rated 5.0/5.0 by real users on the Agent.ai platform with no paid promotion.
- Led a Google Developer Group chapter for 6 months, organizing developer events and skill workshops that engaged 100+ students.