Ravi Kumar

ravi10kumar0803@gmail.com | +91 9199992833 | LinkedIn | GitHub | **Portfolio** | Koderma, Jharkhand, India

Education

Haldia Institute of Technology	Haldia, West Bengal, India
B.Tech in Computer Science and Engineering | CGPA: **8.91/10** *(up to 5th Semester)*	*Aug 2023 – Aug 2027*
Higher Secondary Education	Jharkhand, India
Class XII – JAC Board (PCM) | **92%**	*2022*
Secondary Education	Jharkhand, India
Class X – CBSE Board | **86.6%**	*2020*

Experience

Visteon Corporation — Chennai, India (On-site)
Software Engineering Intern — *Jan 2026 – May 2026*
- Developed and tested **5+ embedded software modules** for automotive cockpit electronics using C++ and OOP; resolved **20+ defects** across Agile sprint cycles while collaborating with a cross-functional team of **8+ engineers**, reducing bug recurrence by **30%**.

QSpider Training Institute — Begusarai, Bihar, India
Generative AI Training Program — *Jan 2026 – Feb 2026*
- Completed **120+ hours** of intensive Generative AI training covering LLMs, LangChain, and RAG; built **3 end-to-end AI projects** and ranked in the **top 10%** of the cohort.

Projects

Gov Scheme Chatbot | *Python, LangChain, Streamlit, LLMs* — 2025
- Built an AI-powered chatbot to help citizens discover, understand, and apply for government welfare schemes based on their individual profiles, reducing manual search time by an estimated **70%**.
- Leveraged **LangChain** and a **RAG** pipeline to deliver accurate, context-aware scheme recommendations across **10+ government categories**.
- Deployed on **Streamlit Cloud** with an intuitive conversational UI, enabling non-technical users to retrieve relevant scheme information in under **3 seconds** per query.

N-Queen Visualizer | *JavaScript (Vanilla), HTML5, CSS3* — 2025
- Built an interactive N-Queen puzzle visualizer using pure JavaScript with **zero external libraries**, implementing a backtracking algorithm that solves boards up to **N=10** in real-time.
- Implemented smooth step-by-step animations, camera controls, and dynamic lighting effects to enhance algorithm comprehension for users studying backtracking concepts.

Spotify Clone | *HTML, CSS, JavaScript, Node.js, REST APIs* — 2024
- Engineered a full-stack music streaming web application featuring user authentication, playlist management, and real-time audio playback; developed a Node.js RESTful backend for end-to-end management of user sessions and media data.

Technical Skills

Languages: C++, Java, Python, JavaScript, SQL

Web Development: HTML, CSS, Node.js, DOM Manipulation, Responsive Design

AI & Machine Learning: Generative AI, LLMs, LangChain, RAG, Prompt Engineering, ML Model Training & Evaluation

Core CS: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, DBMS

Tools & Platforms: Git, GitHub, VS Code, Linux/Unix, Oracle Cloud Infrastructure

Achievements

- Solved **200+ problems** on LeetCode (top percentile globally), **187 problems** on CodeChef, and **100+ problems** on GeeksforGeeks, covering DP, graphs, and greedy algorithms.
- Achieved **130+ points** in HackerRank Problem Solving, earning a **Bronze Level** badge.

Certifications

- **Oracle AI Foundations** – Oracle Cloud Infrastructure
- **Web Development Bootcamp** – HTML, CSS, JavaScript, Node.js
- **Cyber Job Simulation** – Forage
- **Machine Learning with Python** – Coursera
- **Java (Basic)** – HackerRank
- **Generative AI Program** – QSpider (2026)