

Ravi Kumar

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EDUCATION

Haldia Institute of Technology

B.Tech in Computer Science and Engineering | CGPA: 8.91/10 (up to 5th Semester)

Haldia, West Bengal, India

Aug 2023 – Aug 2027

Higher Secondary Education

Class XII – JAC Board (PCM) | 92%

Jharkhand, India

2022

Secondary Education

Class X – CBSE Board | 86.6%

Jharkhand, India

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

Haldia ICARE, West Bengal, 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
- Machine Learning with Python – Coursera
- Web Development Bootcamp – HTML, CSS, JavaScript, Node.js
- Java (Basic) – HackerRank
- Cyber Job Simulation – Forage
- Generative AI Program – QSpider (2026)