

Ravi Kumar

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EDUCATION

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

EXPERIENCE

Visteon Corporation <i>Software Engineering Intern</i> <ul style="list-style-type: none">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%.	Chennai, India (On-site) Jan 2026 – May 2026
QSpider Training Institute <i>Generative AI Training Program</i> <ul style="list-style-type: none">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.	Haldia ICARE, West Bengal, India Jan 2026 – Feb 2026

PROJECTS

Gov Scheme Chatbot <i>Python, LangChain, Streamlit, LLMs</i> <ul style="list-style-type: none">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.	2025
N-Queen Visualizer <i>JavaScript (Vanilla), HTML5, CSS3</i> <ul style="list-style-type: none">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.	2025
Spotify Clone <i>HTML, CSS, JavaScript, Node.js, REST APIs</i> <ul style="list-style-type: none">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.	2024

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)