HARSH RAJ

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Computer Science undergraduate with hands-on experience in front-end web development, data structures & algorithms, and foundational machine learning. Deloitte AU–certified in cybersecurity and trained in IT essentials. Passionate about building intuitive, scalable user interfaces and applying data-driven approaches to solve real-world engineering problems.

EDUCATION

Heritage Institute of Technology
B.Tech — Computer Science & Business Systems   2024 – 2027

State Board of Technical Education, Bihar
Diploma — Civil Engineering   2020 – 2023

DAV Public School Darbhanga (CBSE)
Class X (Matriculation)   2020

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, HTML, CSS
Front-End: Responsive UI, DOM, Accessibility (a11y), UI/UX
CS / SDE: DSA, OOP, Problem Solving
ML / Data: Supervised Learning, NumPy, Pandas
Tools: Git, GitHub, VS Code, Linux CLI

CERTIFICATIONS

- IT Essentials — Cisco Networking Academy
- Cyber & Technology Program — Deloitte Australia
- Introduction to Computers — IIT Bombay (Spoken Tutorial)
- Civil Engineering Certification — SBTE Bihar

EXPERIENCE

Front-End Web Development Projects   2024 – Present
HTML ● CSS ● JavaScript

- Built responsive, accessible UI components with semantic HTML and modern CSS, improving cross-device usability.
- Implemented dynamic features using vanilla JavaScript, optimizing DOM updates and front-end performance.

Machine Learning & DSA Self-Study   2024 – Present
Python ● C++

- Solved 100+ algorithmic problems to strengthen data structures, complexity analysis, and SDE interview readiness.
- Implemented supervised ML models (linear regression, decision trees) in Python using NumPy; evaluated models with basic metrics.

Deloitte AU — Cyber & Technology Simulation   2024
Cybersecurity ● Risk Assessment

- Analyzed cyber threat scenarios and incident response workflows used in enterprise environments.
- Identified vulnerabilities and proposed mitigation strategies aligned with security best practices.

Construction Project Site Trainee   2022 – 2023
Project Coordination ● Quality Assurance

- Supported on-site coordination through quality inspections and safety compliance checks.
- Tracked materials and timelines, improving operational efficiency and accountability.