

HIMANSHU LOKHANDE

Bhopal, Madhya Pradesh

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ABOUT ME

Final-year Computer Science student with hands-on experience in full-stack web development (React.js, Spring Boot) and Generative AI integration. Proven the ability to build deploy applications and optimize real-world workflows, seeking to leverage strong problem-solving skills in a software engineering role.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

Technocrats Institute of Technology – CSE, Bhopal

2023 – 2027

Current CGPA: 7.9

Senior Secondary, CBSE Board

St. Paul's Co-Ed School, Bhopal

2023

Score: 70.2 Percentage

High School, CBSE Board

St. Paul's Co-Ed School, Bhopal

2021

Score: 80.2 Percentage

TECHNICAL SKILLS

Languages: Java, C/C++, JavaScript, SQL, HTML/CSS

Frameworks: React.js, Spring, Spring Boot, Tailwind CSS

Developer Tools: Git, Github, VS Code, Postman

Soft Skills:

PROJECTS

EcoScan – AI- Powered Waste Classification Tool | *React, TypeScript, Gemini API, Tailwind CSS*

- Developed a responsive web application that utilize **Google's Gemini 2.5 Flash Model** to classify waste item into recyclable, compostable and landfill categories, hosted on **Vercel's Edge Network** for high performance global delivery.
- Engineered a custom **React hook-based camera interface** allowing users to capture and analyze images in real-time directly from the browser without external dependencies.
- Implemented **structured JSON output parsing** from the Generative AI model to ensure consistent UI rendering of disposal instructions and eco-tips.
- Built a type-safe codebase using **TypeScript**, reducing runtime errors and ensuring strict data validation between the API service and UI components.

AstroYantra – 3D Observational Astronomy Tool | *React.js, Node.js, Three.js*

- Developed a full-stack web platform for the Smart India Hackathon (SIH) 2025 to generate dimensionally accurate 2D and 3D models of ancient Indian astronomical instruments based on real-time latitude and longitude.
- Implemented complex 3D rendering and interactive visualizations directly in the browser using Three.js, optimizing performance for a smooth user experience.
- Deployed the interactive prototype on Netlify to ensure high availability and seamless demonstration during the hackathon evaluation.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Foundations Associate** | *Oracle* Oct 2025
Validated proficiency in OCI services, cloud computing concepts, and security architecture.
- Artificial Intelligence Fundamentals** | *IBM SkillsBuild* Jan 2025
Gained foundational proficiency in AI concepts including NLP, Machine Learning, and AI Ethics.

ACHIEVEMENTS & CO – CURRICULAR

- 1st Position**, Hack to Crack Coding Competition | *Technocrats Institute of Technology*
- Host & Organizer**, 2nd International Conference on Advancements of Computational Technologies (ICACIT 2K25) held at Technocrats Instituted of Technology – Computer Science and Engineering