

SAHIL

Indore, MP | sahil08062004@gmail.com | [linkedin.com/in/sahil-rajak-1b24072b2](https://www.linkedin.com/in/sahil-rajak-1b24072b2) | github.com/sahil-rajak | sahil-portfo.vercel.app

SUMMARY

Pre-final year B.Tech Computer Science student at Malwa Institute of Technology with strong foundations in Java, OOP, and Data Structures & Algorithms. Consistently solving problems on LeetCode to sharpen problem-solving skills. Conceptualized, directed, and deployed three AI-assisted web applications — demonstrating product thinking, deployment know-how, and the ability to ship real projects. Seeking a software engineering internship to apply core CS fundamentals in a professional environment.

EDUCATION

Malwa Institute of Technology, Indore

2023 – 2027

B.Tech in Computer Science Engineering | CGPA: 7.5 / 10.0

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Computer Networks, DBMS

TECHNICAL SKILLS

Languages: Java, C++, C

Core CS: Data Structures & Algorithms, OOP (Inheritance, Polymorphism, Abstraction, Encapsulation)

Java Concepts: Collections Framework, Exception Handling, Basic Syntax & Control Flow

Database: MySQL (queries, joins, basic schema design)

Tools & Platforms: Git, GitHub, VS Code, IntelliJ IDEA, Vercel

Familiar With: HTML, Tailwind CSS (basic front-end structuring), python

PROJECTS

FACES — AI Forensic Artist

aiforensicartist.vercel.app

Conceptualized & Deployed | Tech Stack: Python, React, FastAPI, Tailwind CSS | AI-Assisted Build

- Identified a real-world forensic problem and designed the complete product concept — a web application that generates suspect sketches from eyewitness descriptions.
- Directed the AI-assisted development process end-to-end: defined system requirements, designed UI layouts, wrote detailed prompts, and validated outputs iteratively.
- Deployed the production application on Vercel, managed environment configuration, and conducted functional testing to ensure a reliable, live product.

AstroQuest — Space Exploration Platform

astroquest.vercel.app

Conceptualized & Deployed | Tech Stack: React, Next.js, Tailwind CSS, NASA APIs | AI-Assisted Build

- Conceived an educational space exploration tool integrating NASA APIs to surface real astronomical data and celestial event visualizations for general users.
- Designed the full user experience and visual layout, directed AI-assisted implementation, and ensured the final product met the intended learning goals.
- Deployed and maintained the live application on Vercel, testing across devices to verify responsiveness and data accuracy.

Interactive Developer Portfolio

sahil-portfo.vercel.app

Solo Project | Tech Stack: Next.js, React, Framer Motion | AI-Assisted Build

- Designed and conceptualized a personal portfolio with scrollytelling animations to professionally showcase projects and technical identity to recruiters.

- Directed the complete build using AI-assisted development — making all design, structure, and content decisions while managing the implementation process.
- Achieved top-tier Core Web Vitals scores on Vercel Speed Insights, demonstrating attention to performance and production-quality deployment standards.

CERTIFICATIONS

- **Google Cloud — Generative AI:** Foundational credential in large language models and generative AI on Google Cloud.
- **Google Cloud — Generative AI Studio:** Hands-on certification in prompt design, model tuning, and AI app development in Vertex AI.
- **Outskill — Generative AI MasterMind:** Advanced program covering applied generative AI workflows and real-world implementation strategies.

PROBLEM SOLVING

Actively solving Data Structures & Algorithms problems on **LeetCode** and **GeeksforGeeks** — focusing on Arrays, Strings, and LinkedLists. Consistent daily practice to build interview-ready problem-solving skills.