

SHIVAM GUPTA

 +91-8303660368  shivamg5080@gmail.com  LinkedIn  Github [Codechef](#) [Leetcode](#) [Portfolio](#)

Education

Indian Institute of Information Technology Bhopal, India

Bachelor of Technology in Computer Science and Engineering

December 2022 - June 2026

CGPA: 8.14 (upto 3rd Sem)

Hanraj Modern Public School, Jhansi

XII CBSE BOARD

March 2020 - March 2022

91%

CKC Academy, Jhansi

X CBSE BOARD

March 2008 - March 2020

93%

Work Experience

Software Development Engineer Intern - Algozenith

April 2024 - Present

- Spearheaded the development of AlgoZenith's frontend, leveraging HTML, CSS, JavaScript, and React.
- Integrated SQL for backend operations, optimizing data management and ensuring seamless interaction with the database.
- Utilized Selenium and Beautiful Soup for web scraping on Codeforces, extracting problems.
- Developed a problem search engine, integrating scraped data to enhance usability for AlgoZenith's users.
- Tech stack: HTML, CSS, JavaScript, React, SQL, Python, Selenium, Beautiful Soup

Projects

Sorting Visualizer

Github

- Objective: To create an educational tool for sorting algorithms visualization.
- Frontend developed using JavaScript, with functionalities for adjusting sorting speed and array size.
- Implemented 5+ sorting algorithms to demonstrate their performance.
- **Tech Stack:** - HTML, CSS, Javascript and React.

OmniFood

Github

- Objective: Redesign of the Omnifood Static website.
- Website features include sticky navigation, hamburger menu, toggle switch, animations, and smooth scrolling.
- **Tech Stack:** - HTML, CSS and Javascript.

Rubik's Cube Solver - using Korf's IDA* Algorithm

Github

- Modelled a virtual Rubik's Cube in 3 different models (3D Array, 1D Array, BitBoard).
- Implemented OPPS concepts like Classes, Inheritance, and Operator Overloading.
- Achieved solving time of under 3 seconds for a jumbled cube using BFS, DFS, and IDDFS algorithms.
- Implemented Korf's IDA* Algorithm, achieving solving time under 10 seconds for a heavily jumbled cube.

Skills

Languages: C, C++, Python, HTML, CSS, JavaScript, SQL, Typescript

Tech Stack: React, Selenium, Matplotlib

Developer Tools: Git, Github, VS Code, Google Colab

Soft Skills: Team Management, Interpersonal and Intrapersonal Skills, Public Speaking, Content Writing

Certificates and Achievements

- Secured global rank 262 in Starters 126, and rank 313 in Starters 125 '24.
- Secured rank 81 out of 1000 in Coderush organized by Algouniversity.
- 4 star on CodeChef (Maximum rating - 1839) Username: [shivamg5080](#).