

Vikash Kumar

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Overview

Aspiring Software Engineer and enthusiastic Computer Science undergraduate with a strong foundation in software development, data structures, and algorithms. Passionate about solving real-world problems through technology, competitive programming, and collaborative teamwork. Continuously learning and exploring modern tools, frameworks, and scalable solutions to drive innovation.

Education

Chandigarh Group of Colleges, Jhanjeri, Mohali

(August 2024 - Present)

Bachelor of Technology - Computer Science and Engineering

CGPA: 8.81

- **Coursework:** DSA, OOPS Concept, DBMS, Operating System, Computer Networks, Computer Organization and Architecture, Design & Analysis of Algorithms.

Government Polytechnic College, Gulzarbagh, Patna-7

(2020-2023)

Diploma in Computer Science and Engineering

CGPA: 8.24

Ichchha Public School Nehalpur Belaganj Gaya Bihar

(2019-2020)

Secondary Education (CBSE)

Percentage : 78

Internship/Training

ICE TECHNOLOGY LAB

Web Development (HTML, CSS)

Certificate

- Completed a 4-week internship focused on web development using HTML and CSS.
- Gained hands-on experience in building user-friendly interfaces and understanding web technologies.

Certifications

[Introduction to MongoDB](#) [Data Science \(Board Infinity\)](#) [Learn C++ \(CodeChef\)](#)

[Introduction to IOT \(Cisco\)](#) [Cybersecurity Essentials \(Cisco\)](#) [IT Essentials \(Cisco\)](#)

[German Language \(Beginner Level\)](#) [SSO - Stay Safe Online \(Government of India\)](#)

Projects

Smart Stock Portfolio Optimizer 🚀

A web-based tool that selects the best stocks within a budget to maximize returns using Dynamic Programming.

- Developed an interactive stock selection tool optimizing cost vs. return.
- Implemented a Dynamic Programming approach for portfolio optimization.
- Tools & technologies used: | HTML | CSS | JavaScript | Visual Studio Code | Git | GitHub |

Profile Card 🚀

A responsive profile card using HTML, CSS, and JavaScript to display user information.

- Designed a user-friendly profile card with a responsive layout.
- Tools & technologies used: | Visual Studio | HTML | CSS | JavaScript | Netlify |

Flappy Man 🚀

A Flappy Bird-inspired game developed in Python using Pygame.

- Contributed to game mechanics, obstacle detection, and debugging.
- Tools & technologies used: | Python | Pygame | Visual Studio Code |

Skills and Interests

Languages: Intermediate in C++ and Python, Familiar with Java

Developer Tools: Visual Studio Code, Git, Github

Frameworks: Learning framework C++ Standard Template Library (STL)

Cloud/Databases: MongoDB

Soft Skills: Adaptability, Problem Solving, Time Management, Teamwork, Communication

Areas of Interest: Software Development, Competitive Programming, Data Structures and Algorithms, Artificial Intelligence (AI)

Achievements

- Solved 450+ coding problems on CodeChef and achieved a 200+ day streak (still ongoing).
- Maintaining a 200+ day daily contribution streak on GitHub, showcasing consistent coding practice.
- Served as School Commander during schooling, demonstrating leadership and responsibility.
- Won 1st prize in the High Jump competition at school.
- Completed a 4-week training in Web Development, gaining hands-on experience with HTML and CSS.
- Participated in Hackops (Hackathon), gained experience in teamwork and problem-solving under time constraints.