

# Vikash Kumar

📍 [Chandigarh, India](#) 📞 [+91-6299642433](#) ✉ [rajvikash18113@gmail.com](#) 💼 [rajvikash18113](#) 🌐 [rajvikash18113](#)

## 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

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**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

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- 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.