

Rohan Chakravarty

[+\(91\) 8444814369](tel:+918444814369) | rohan.chakaravarty02@gmail.com | [LinkedIn](#) | [GitHub](#)

Education

Lovely Professional University

Bachelor of Technology in Computer Science and Engineering, Achieved a CGPA of **8.41/10**

Course Work: Object Oriented Programming, DSA, Computer Networks, Operating Systems, DBMS

Phagwara, Punjab

2022 – 2026

National Gems Higher Secondary School

CISCE, ISC,

Secured an overall percentage of **80.75%**, with a notable **92% in Mathematics**.

Kolkata, West Bengal

2022

Projects

[Personal Portfolio](#) | [GitHub](#)

November 2024 – January 2025

- Developed a **fully responsive** portfolio website showcasing projects and photography, featuring **real-time** GitHub repository updates via a **Spring API**, a contact form integrated with **REST APIs**, and **SSL/TLS** for secure HTTPS communication, and custom **403/404 error pages**. Achieved 100% responsiveness (mobile-first design) and 90+% performance scores on Lighthouse using **minified** CSS and JavaScript.
- Utilized **Vite**, **TailwindCSS**, and **Cloudflare CDN** to improve load times by 70%. Deployed **Dockerized containers** using Docker Compose on **AWS EC2** with **Nginx** as a reverse proxy to **Apache**, and implemented a CI/CD pipeline with **GitHub Actions**, reducing deployment time by 40%.
- Ensured 99.9% uptime with robust backend architecture using **Spring Boot** and **MySQL**, efficient **CORS handling**, and seamless integration of **Cloudflare** for performance and security.
- Tech stack: **HTML, CSS, JavaScript, TailwindCSS, Spring Boot, MySQL, Docker, AWS EC2, Nginx, Apache, GitHub Actions** and **Cloudflare CDN**

[Queen's Quest](#) | [GitHub](#)

July 2024 – July 2024

- Developed an interactive N-Queen problem visualizer with a **responsive design** and **smooth animations** to illustrate the **backtracking algorithm**. Included features such as a **responsive navbar**, **hamburger menu** for mobile devices, and a pop-up message to enhance user engagement.
- Tech stack: **HTML, CSS, JavaScript**, and **Git**

Achievements

- Coding Profile:** 500+ problems on [@LeetCode](#) | [@Codeforces](#) | **2 Star** [@CodeChef](#) | [@GeeksforGeeks](#)
- Achieved** a rating of **1,718** on LeetCode Contest

Skills

- Programming Languages:** Java, C/C++, Python, JavaScript (ES6), SQL, Bash
- Frameworks & Libraries:** Tailwind CSS, Sass, Spring Boot, RESTful APIs
- Developer Tools:** Git, GitHub, GitHub Actions, npm, Vite, Maven, Docker, Terraform, Chat-GPT, Postman, Hyper-V
- Cloud & Platforms:** Google Cloud Platform (GCP), Amazon Web Services (AWS), Linux (RHEL) and Windows
- Key Strengths:** Creativity, Teamwork, Collaboration, Problem-Solving and Adaptability

Certifications

- [IBM DevOps and Software Engineering](#), IBM – 2024
- [Dynamic Programming, Greedy Algorithms](#), University of Colorado Boulder – 2024
- [Generative AI with Large Language Models](#), DeepLearning.AI – 2024