Rohan Chakravarty

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EDUCATION

Lovely Professional University   **Phagwara, Punjab**
Bachelor of Technology in Computer Science and Engineering, Achieved a CGPA of *8.41*/10   *2022 – 2026*
Course Work: Object Oriented Programming, DSA, Computer Networks, Operating Systems, DBMS

National Gems Higher Secondary School   **Kolkata, West Bengal**
CISCE, ISC,   *2022*
Secured an overall percentage of **80.75%**, with a notable *92% in Mathematics*.

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 | **2 Star** @CodeChef | @Codeforces | @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