

Aryan Singh

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SKILLS

- **Languages:** C++(Proficient), Java, JavaScript, C, PHP
- **Frameworks :** Tailwind, CSS, NodeJS, ReactJS
- **Tools/Platforms:** MySQL, MongoDB, Firebase, Git, Github, Linux
- **Soft Skills:** Leadership, Problem-Solving Skills, Communication, Project Management

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.6
Favorite Courses: Object Oriented Programming, Data Structures and Algorithms
Jul 2022 - Jul 2026*
- **Mukularanyam English School** Siddhagiri Baugh, Varanasi
Intermediate; Percentage: 74.6%
Favorite Courses: Physics, Mathematics
Apr 2020 - Mar 2021
- **Mukularanyam English School** Siddhagiri Baugh, Varanasi
Matriculation; Percentage: 79%
Apr 2018 - Mar 2019

EXPERIENCE

- **Hackathon: HACKVERSE** Mar 2023
Student Developer
 - **About:** Participated in collaborative programming project with a team of 4 people.
 - **Project Course - Real-Time Data Analytics Dashboard:** Developed a working prototype of a real-time dashboard for data analysis, providing interactive visualizations and actionable insights to enhance decision-making.
 - **Tech stacks used:** The project was developed using Docker

PROJECTS

- **Real Time Chat Application** | CSS, ReactJS, NodeJS, Firebase Sep 2024- Jan 2025
 - Developed a real-time web-based chat application using Firebase and React.js, enabling instant messaging with seamless connectivity, low-latency performance, and scalable user management for enhanced reliability.
 - Implemented managed authentication, database, and storage using Firebase, supporting 150,000+ concurrent users, achieving <100 ms real-time latency, and handling 8,000+ reads/sec with optimized data throughput.
 - Implemented a secure password reset feature using Firebase Authentication, enabling users to easily recover their accounts via email verification, ensuring enhanced security and user experience.
- **Imagify: AI-Powered Image Generation Platform** | MERN Stack, Razorpay May 2024- Jul 2024
 - Developed a MERN-based AI-driven image generator application that allows users to create images from textual prompts, utilizing advanced AI technologies.
 - Implemented a flexible payment model offering 5 free image generation credits, with additional usage requiring payment through a pay-as-you-go system.
 - Integrated Razorpay for secure, seamless transactions with ~300ms processing speed, 99.9% uptime, and PCI DSS Level 1 compliance with AES-256 encryption, enhancing reliability and customer trust.

ACHIEVEMENTS

- **Solved 500+ DSA Problems**
On LeetCode and GeeksforGeeks, focusing on optimizing time and space complexity.
- **Cloud Computing Certified by NPTEL**
Earned an Elite Badge in Cloud Computing with an overall score of 63%, demonstrating strong proficiency in cloud architecture, deployment models, and services across platforms like AWS, Google Cloud, and Azure.
- **Ranked in the top 700 on GeeksForGeeks Institute Ranking**
For solving complex DSA problems and active participation in coding contests at GeeksForGeeks.
- **Selected as one of 15 teams in HACKVERSE, securing a competitive position among 100+ entries.**
Participated in the Hackathon organized by LPU, showcasing an innovative solution.
- **Published Two Books on Amazon Kindle**
Authored formula books for class 10 and 11, providing concise and effective study resources.

CERTIFICATIONS

- Certification in Cloud Computing from NPTEL.
- Certification of Complete Interview Preparation - Self-Paced (C++) by GeeksForGeeks
- Certification in Bits and Bytes of Computer Networking by Google.