ARPIT SINGH VERMA

+91 858-066-9199 ⋄ Address - Mandi, Himachal Pradesh, India

cse1411shiv@gmail.com ⋄ linkedin.com/in/arpit-singh-verma ⋄ [GitHub](https://github.com)

EDUCATION

Bachelor of Technology in Computer Science and Engineering　　　December 2021- May 2025
National Institute of Technology Hamirpur　　　**CGPA 7.63/10.00**

SKILLS

Languages	C++, C , Python , Javascript
Frameworks/Libraries	Typescript , NextJS , NodeJS , Git/Github, REST APIs , TCP/IP , Mongoose
Databases and Platforms	MongoDB , Firebase RealtimeDB , Firebase Firestore , Redis , SQL , Docker

EXPERIENCE

Software Engineering Intern　　　June 2024 - August 2024
Mercor

- Utilized Python to develop coding prompts, solutions, and test cases for evaluating large language models (LLMs), resulting in a **15%** improvement in model accuracy based on the test results.
- Reviewed and verified the originality of problems by conducting thorough research to avoid existing datasets, leading to a **20%** decrease in overlap with previous studies.

Software Engineering Intern　　　February 2024 - May 2024
Sourcing X-Press

- Integrated **chartjs and chartjs2 library** into web application to visually represent skills based on experience levels, resulting in a more user-friendly interface for users to track their skill development.
- Implemented **calculateSkillYears function** to accurately calculate total years of experience per skill , improving **data accuracy by 15% compared** to the previous method. Utilized **Zustand** for state management, significantly improving website responsiveness and user experience metrics by **20%**. Utilized **microservices architecture** to enhance scalability of the MVP, leading to **50%** increase in user capacity without compromising performance.

FullStack Developer Intern　　　December 2023 - February 2024
MnA Studios

- Designed and Developed a modern and responsive official website for MnA studios using ReactJs , resulting in improvement user experience with a **30% increase in website traffic**
- Integrated advanced chatbot functionalities into the website , leading to enhanced user engagement and seamless communication with a **25% increase in user interactions**.

PROJECTS

Rapid Rumble *NextJS , Typescript , NodeJS , ExpressJS , Firebase , MessageQueue , Docker , Redis*

- Develop a **RESTful APIs** to manage user entities and MCQs, including authentication and CRUD operations for the MCQ entities.Implement password hashing using libraries like **bcrypt** to ensure security.
- **Utilized message queue** technology, specifically **BULLMQ queues in Node.js**, to efficiently push game winner notifications to users in real-time, resulting in a 30% increase in user engagement.

Scrap Smart Sustainability *NextJS , Javascript , Firebase , CSS*

- Developed a centralized **waste management platform** in a **2-day hackathon challenge**, for users to report scrap and sell recyclables, resulting in a **30%** boost in waste disposal.

ChatWithPDF *NextJS , Tailwind CSS , Firebase , Gemini , Typescript*

- Implemented innovative chatbot functionality with PDF integration, leveraging image recognition technology to streamline document processing, resulting in a **40%** reduction in manual data entry tasks.

ACHIEVEMENTS

- **Expert** @Codeforces [Link](https://codeforces.com) Highest Rating - **1739** and **5 Star** @Codechef [Link](https://codechef.com) Highest Rating - **2009**.
- **Ranked 132 ICPC** Prelims 2023 **Team - oakroots** [Link](https://icpc.global).
- Achieved **Rank 1 among 200+ participants** in CodeQuest Chronicle competition at NIT Hamirpur.