Yash Sharma

Gwalior, 474002 Madhya Pradesh

+91-7898680459 | yash280876@gmail.com | Linkedin | GitHub | Leetcode | Codeforces

Technical Skills

Languages: C/C++ , Java

Full Stack Development: HTML, CSS, Tailwind CSS, Javascript, Redux, ReactJs, ExpressJs, NodeJs

Databases: MongoDB, MySQL, PostgreSQL

Developer Tools: VS Code, Git, Sublime text, Figma

Devops/Cloud Technologies: CI/CD, Jenkins, AWS

Projects

Online Code Execution System | NodeJs, ExpressJs, AWS EC2, PM2 | GitHub　　　　**Feb 2025 - Present**
- **Built** an online code execution platform supporting C++, Java, Python and JavaScript using NodeJs, ExpressJS and Docker.
- **Optimized** performance by **70%** with persistent Docker containers, reducing execution overhead and container startup time.
- **Deployed** the system on **AWS EC2 with PM2**, ensuring **24/7 availability** and scalability using Application Load Balancer and Auto Scaling Groups.
- **Developed** an API for seamless execution with input/output handling, enhancing user experience and reducing **response time** by **25%**

Instagram Clone: Scalable Social Media Platform | Javascript, MongoDB, Express.js | GitHub　　**Jan 2025 – Feb 2025**
- **Engineered** a user-centric photo and video sharing platform, designed to scale for **1 million users**.
- **Integrated** critical features like Login, Signup, Create Post, and Edit Profile, delivering **10+ core** functionalities.
- **Optimized** MongoDB for lightning-fast database operations, achieving **sub-10 millisecond** read queries.
- **Architected** a back-end system with Express.js, ensuring **sub-50 millisecond response times** for all APIs.

ChatWave: Scalable Real-Time Communication Platform | MERN , Docker | GitHub　　**Mar 2024 – Apr 2024**
- **Architected** a high-availability system supporting over **1,500 concurrent users with 99.9% uptime**
- **Secured** the platform using industry-standard **JWT-based authentication**, safeguarding over **2,000 active user accounts**.
- **Delivered** ultra-fast messaging with **sub-100ms latency**, incorporating online user status via **Socket.io** and React Context.
- **Reduced** deployment downtime by integrating **CI/CD pipelines with Docker**, enabling seamless updates.

Certifications

- Achieved Elite + Silver Badge in Cloud Computing from **IIT Kharagpur, NPTEL**, with a score of **82%**　　**October 2024**
- Completed **6-week summer training on data structures and algorithms** from **HitbullsEye**　　**August 2024**
- Qualified in **All India NCAT (Naukri Campus),** demonstrating national-level competence.　　**April 2024**
- Certified in **Data Structures and Algorithms using C++ (Cipher Schools),** showcasing strong problem-solving　　**November 2023**

Achievements

- **Achieved** a contest rating of **1450+** on Leetcode, showcasing strong fundamental skills and expertise in algorithms.
- **Solved** over **500+** coding challenges across platforms including LeetCode, GeeksforGeeks, HackerRank and Codeforces, enhancing expertise in data structure and algorithms.

Education

Lovely Professional University　　**2022 - Present**
Bachelor of Technology Computer Science; CGPA: 8.27　　*Phagwara, Punjab*

Silver Bells School　　**2021 – 2022**
Intermediate; Percentage: 73.6%　　*Gwalior, Madhya Pradesh*

Excellent Circle of Studies School　　**2019 – 2020**
Matriculation; Percentage: 82%　　*Gwalior, Madhya Pradesh*