Ayush Sharma

Portfolio | GitHub | Linkedin | Kanpur, India, 8299124496 | ayushsharma18001@gmail.com

Summary

Software Engineer with expertise in scalable backend architecture, distributed systems, and cloud-based solutions. Proficient in C++, Python, and JavaScript, with a strong foundation in data structures, algorithms, and system design. Passionate about high-performance computing, DevOps automation, and cloud scalability (AWS, Kubernetes, Docker, CI/CD).

Skills

- **Programming:** C++, Python, JavaScript, C
- **Backend & Cloud:** Node.js, Express.js, MongoDB, MySQL, AWS (S3, EC2, Lambda), Kubernetes, Docker, Ansible, Jenkins
- **Frontend & DevOps:** React.js, REST APIs, CI/CD, Git/GitHub, Figma, Ubuntu Linux
- **Software Engineering:** System Design, Scalability, Load Balancing, Distributed Systems, High Availability

Experience

UnlockDiscount | Full Stack Developer Intern   December 2024 – March 2025
- Enhanced API performance by optimizing MongoDB queries, implementing Redis caching, and reducing server costs by 20% through load balancing.
- Revamped UI/UX with React.js, improving page load times by 25%, ensuring faster content accessibility, and enhancing overall user engagement.
- Focused on website security and authentication, improving the previous website's architecture while creating and maintaining blog pages.
- Led sprint planning and collaborated with the testing team in daily Scrum calls, ensuring faster delivery cycles and maintaining code quality.

Dtodstint | Team Lead – Website Development   December 2024 – March 2025
- Spearheaded SEO and performance optimization, boosting organic traffic by 40%.
- Reduced deployment time by 50% through automated CI/CD pipelines, improving DevOps efficiency.
- Refactored site architecture, improving scalability and reducing bounce rates by 20%.

Projects

BinIT (GitHub) [Live]
- Built a scalable waste management platform tracking 100+ kg of waste, optimizing operations for 1000+ users.
- Designed high-availability backend (Node.js, MongoDB, AWS), reducing data processing time by 30%.
- Developed real-time event tracking & analytics dashboard, improving NGO decision-making.

Sea Guardian (GitHub) [Live]
- Engineered a fault-tolerant backend with Node.js, AWS S3/EC2, ensuring 99.9% uptime.
- Led a 5-member Agile team, recognized at GDSC Regional Bootcamp for innovation.
- Integrated AI-powered pollution detection (Sentinel-2, NASA MODIS) with 90% accuracy, reducing environmental response time by 40%.

Extracurricular Activities

NCC Cadet, UP 55 BN NCC   January 2023 – February 2025
- Led outreach programs benefiting 500+ individuals

Achievements

- Achieved 2100+ rating on Leetcode Guardian in 2024 (ayush-018)
- CodeForces Rating 1200+ Pupil (ayush018)
- CodeChef Rating 1600+ 3 Star (ayush_980)
- Hackerrank 6 Star Coder in problem solving (Profile)

Education

Pranveer Singh Institute of Technology   December 2022 – June 2026
Bachelor of Technology in Computer Science Engineering, CGPA- 8.50   Kanpur, Uttar Pradesh, India