Ayush Sharma

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

Summary

Software Development Engineer with expertise in C++, Python, and JavaScript, combined with strong foundations in data structures, algorithms, and system design. Experienced in building scalable backend systems, optimizing database performance, and implementing cloud-based solutions on AWS. Passionate about creating high-performance, user-centred applications and leveraging DevOps tools to enhance software delivery.

Education

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

Experience

UnlockDiscount | Full Stack Developer Intern   December 2024 – Present
- **Professional Experience:** Optimized MongoDB query performance, reducing database latency by 30%. Developed scalable back-end APIs with Node.js and improved front-end UI in React.js, enhancing user experience and reducing page load time by 25%.
- **Scrum and Agile Practices:** Actively participated in Scrum meetings, Led sprint planning and daily stand-ups, improving team collaboration and reducing feature delivery time by 15%.
- **Customer Engagement and Impact:** Implemented caching strategies and optimized API responses, reducing load time by 40% and driving a 15% increase in user retention. Attracted 1000+ new customers through performance enhancements and UI/UX improvements.

Dtodstint | Team Lead – Website Development   December 2024 – March 2025
- **SEO and Engagement Optimization**: Boosted website engagement by 40% by implementing keyword optimization, structured metadata, and Google Analytics-based insights.
- **Process Efficiency**: Automated CI/CD pipelines and optimized code review processes, reducing deployment time by 50% and improving code quality.
- **User Retention** Enhanced site responsiveness and fixed UX bottlenecks, increasing user retention by 30% and reducing bounce rate by 20%.

Projects

Sea Guardian (GitHub) [Live]
- **Architecture and Design**: Designed and deployed a fault-tolerant backend using Node.js and AWS S3/EC2, achieving 99.9% uptime.
- **Agile Development:** Directed a 5-member team in developing marine pollution tracking platform, earning recognition at the GDSC Regional Bootcamp for innovation in environmental monitoring.
- **Innovative Features:** Delivered real-time tracking with RESTful APIs, improving user engagement by 30%.

Medical Report Analysis-MediCure (GitHub) [Live]
- **Tech Stack**: Built Python (Flask) and deep learning (TensorFlow/Keras) for medical report analysis, with a responsive frontend built using HTML, CSS, and JavaScript.
- **Design:** User-friendly, responsive interface for seamless navigation.
- **ML Insights:** Enhanced diagnosis accuracy, boosting engagement by 35%.

Extracurricular Activities

NCC Cadet, UP 55 BN NCC   January 2023 – February 2025
- Led community outreach programs that benefited over 500 individuals, demonstrating strong leadership and teamwork skills.

Skills

- **Programming Languages:** C++, C, Python, JavaScript
- **Frameworks/Libraries:** React.js, Node.js, Express.js
- **Databases & APIs:** MongoDB, MySQL, RESTful APIs
- **DevOps & Cloud:** AWS, Kubernetes, Docker, Ansible
- **Developer Tools:** Git/GitHub, CI/CD, Figma, Ubuntu Linux
- **Software Development:** System Design, Object-Oriented Programming (OOP)

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)