

Ayush Sharma

[Portfolio](#) | [GitHub](#) | [Linkedin](#) | Kanpur, India, +91 8299124496 | ayushsharma18001@gmail.com

Summary

A Software Development Engineer and DevOps enthusiast with expertise in full-stack development (MERN), cloud infrastructure (AWS), and CI/CD pipelines. Skilled in building scalable applications, automating workflows, and optimizing systems for performance and security.

Education

Pranveer Singh Institute of Technology

Bachelor's Degree in Computer Science Engineering
CGPA- 8.50

December 2022 – June 2026
Kanpur, UP

Experience

Oasis Infobyte | Web Developer Intern

August 2024 – September 2024

- **Technologies:** MERN Stack (MongoDB, Express, React, Node.js), Git, CI/CD, APIs.
- **Architecture and Design:** Developed full-stack applications using the MERN stack, enhancing application performance by 30%. Designed scalable APIs ensuring fault tolerance for handling large datasets.
- **Agile Development and Impact:** Implemented CI/CD pipelines using Git, streamlining integration and deployment, resulting in a 25% increase in deployment efficiency.
- **Database Management and Efficiency:** Managed and optimized MongoDB databases, improving data management processes and increasing team collaboration by 20%, thus accelerating project delivery.

Projects

Sea Guardian ([GitHub](#))

- **Architecture and Design:** Built a scalable backend with Node.js, Express.js, and MongoDB, integrating AWS S3 and EC2 for secure storage and fault-tolerant operations, achieving 99.9% uptime.
- **Agile Development:** Led a team of four to develop *Sea Guardian*, a platform for marine pollution tracking, recognized at the GDSC Solution Challenge Regional Bootcamp. Enhanced user engagement by 30% through optimized APIs and streamlined reporting workflows.
- **Innovative Features:** Delivered real-time incident tracking with RESTful APIs and ensured data security using Git and AWS, creating an efficient and user-friendly platform.

Vi Quiz ([GitHub](#))

- **Architecture and Design:** Led front-end development of *Vi Quiz*, creating a responsive UI with HTML, CSS, and JavaScript for seamless visual interactions.
- **Agile Development and Impact:** Collaborated with backend to integrate Python and OpenCV, optimizing performance and boosting user engagement by 40%.
- **Innovative Features and Efficiency:** Developed a mobile-first design, enhancing accessibility and streamlining performance for improved user experience.

AWS Service Automation with Bash ([GitHub](#))

- **Architecture and Design:** Automated AWS infrastructure management with Bash, optimizing EC2, S3, and Lambda, and integrating monitoring and scaling for 50% reduction in manual workload and improved availability.
- **Agile Development and Impact:** Implemented version control integration with AWS, creating scripts for managing GitHub users and streamlining cloud resource monitoring for improved efficiency.
- **Innovative Features and Efficiency:** Developed automation scripts that enhanced operational workflows, cutting manual tasks by half and improving overall cloud infrastructure management.

Extracurricular Activities

NCC Cadet, UP 55 BN NCC

January 2023 – Present

- Demonstrated leadership and teamwork skills by leading community outreach programs that positively impacted over 500 individuals.

Skills

- **Programming Languages:** C++, C, Python, HTML, CSS
- **Frameworks/Libraries:** React.js, Node.js, Express.js
- **Developer Tools:** Git, GitHub, Amazon Web Services (AWS), Firebase, Figma, Ubuntu Linux, Shell Scripting
- **Databases:** MongoDB, SQL, AWS S3
- **Academic Coursework:** DSA, DBMS, OOPS, OS

Achievements

- Leetcode Knight 2100+ Rating in contest ([ayush-018](#))
- Hackerrank 6 Star Coder in problem solving ([Profile](#))
- CodeForces Rating 1178 ([ayush018](#))
- CodeChef Rating 1617 ([ayush-018](#))