

# Ayush Sharma

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

## Education

### Pranveer Singh Institute of Technology

Bachelor's Degree in Computer Science Engineering  
CGPA- 8.68

2022–2026

Kanpur, UP

## Experience

### Oasis Infobyte

August 2024 – September 2024

Web Developer Intern (Full Stack)

- Developed full-stack applications using the MERN stack, improving application performance by 30%.
- Implemented CI/CD pipelines using Git for seamless integration and deployment, improving deployment efficiency by 25%. Developed and maintained APIs, ensuring scalability and fault tolerance for large datasets.
- Managed and optimized MongoDB databases for application data, leveraging Git for version control, resulting in a 20% increase in team collaboration and project delivery timelines.

## Projects

### Sea Guardian ([GitHub](#))

- **Technologies:** HTML, CSS, Node.js, Express.js, MongoDB, RESTful APIs, Git, AWS S3, Elastic IP, EC2.
- **Description:**
  - Led a team of 4 in developing *Sea Guardian*, an innovative platform designed to combat marine pollution, selected for the GDSC Solution Challenge Regional Bootcamp (India).
  - Enabled real-time reporting and tracking of environmental incidents, contributing to a 30% improvement in user engagement on the platform.
  - Developed scalable and fault-tolerant backend systems using Node.js, Express, and MongoDB for incident reporting. Optimized API performance, handling a 30% increase in user engagement with no downtime.

### Vi Quiz ([GitHub](#))

- **Technologies:** HTML, CSS, JavaScript, Python, OpenCV, Git, Responsive Design.
- **Description:**
  - Spearheaded the front-end development for *Vi Quiz*, an innovative online quiz platform enabling virtual participation through visual-based interactions.
  - Designed and implemented a responsive UI using HTML, CSS, and JavaScript, increasing user interaction by 40%.
  - Collaborated with the backend team, ensuring smooth integration with Python and OpenCV functionalities.

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

- **Technologies:** Bash, AWS (EC2, S3, Lambda, IAM), GitHub, Automation, Cloud Infrastructure.
- **Description:**
  - Automated AWS infrastructure management using Bash scripts, reducing manual workload by 50%.
  - Integrated monitoring and scaling solutions, ensuring continuous service availability.
  - Integrated version control with AWS infrastructure, creating scripts to list and manage GitHub users, streamlining cloud resource monitoring.

## Extracurricular Activities

### NCC Cadet, UP 55 BN NCC

Jan 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:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOPS), Database Management Systems (DBMS), Operating Systems (OS)

## Achievements

- Leetcode Knight 2000+ Rating in contest ([ayush-018](#))
- Hackerrank 6 Star Coder in problem solving ([Profile](#))
- CodeForces Rating 1178 ([ayush018](#))