

ANKIT KUMAR YADAV

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EDUCATION

ABES Institute of Technology

B.Tech in Computer Science and Engineering

– CGPA: 7.2

Ghaziabad, Uttar Pradesh

Nov 2021 – May 2025

EXPERIENCE

Soft Nerve Technologies

Software Developer Intern

Oct 2024 – Dec 2024

Remote

- Engineered resilient microservices in Java using Spring Boot and deployed via Kubernetes, improving system uptime by 25%.
- Enhanced code reliability with JUnit and Mockito, increasing unit test coverage by 30%.
- Streamlined error handling and data validation processes, leading to a 15% reduction in production incidents.
- Optimized RESTful APIs for high-volume traffic, reducing latency by 40%.

Global Infoventures

Artificial Intelligence Intern

Feb 2024 – May 2024

Ghaziabad

- Built and fine-tuned AI pipelines using PyTorch and TensorFlow for real-time object detection.
- Deployed computer vision models with OpenCV, achieving 90% accuracy for PPE detection.
- Accelerated training using NVIDIA DGX-100, cutting model training time by 40%.
- Automated alert workflows using Gmail API and cloud services, reducing response times by 60%.

PROJECTS

MemoSphere | Java, Spring Boot, React

Nov 2024 – Dec 2024

- Developed a full-stack app using Spring Boot and React, reducing page load times by 40% through API optimization.
- Implemented JWT-based authentication to secure sessions and block unauthorized access attempts by 95%.
- Enabled real-time chat via WebSockets and optimized image sharing performance.
- Designed scalable MySQL schemas for users, media, and messages, improving query performance by 60%.

PPE Violation Detection | Python, PyTorch, OpenCV

Feb 2024 – Apr 2024

- Constructed a YOLOv7-based real-time detection system for helmets, vests, and goggles with 95% accuracy on live industrial footage.
- Automated incident reporting via scheduled Gmail API alerts, improving monitoring efficiency.
- Deployed a Flask web interface on DGX-100 GPU for fast inference over video streams in real-time.

Splitwise Clone – Microservices Architecture | Spring Boot, Feign, Eureka, MySQL, Docker Jul 2025 – Present

- Built a modular expense-sharing system with services for user, group, ledger, and expense management.
- Enabled secure inter-service communication using JWT and Feign Clients.
- Integrated Eureka for service discovery and Spring Cloud Gateway for routing.
- Designed normalized MySQL schemas and Dockerized the platform for scalable deployment.

TECHNICAL SKILLS

Languages: Java, Go, Python

Frameworks/Technologies: Spring Boot, React.js, JUnit, MongoDB, SQL, RESTful APIs

Developer Tools: Git, GitHub, Docker, Kubernetes, Kafka, gRPC, Postman, Swagger, AWS

CERTIFICATIONS AND ACHIEVEMENTS

Solved over 500 data structure and algorithm problems across LeetCode, CodeChef, and GeeksforGeeks to strengthen problem-solving skills. | Spring 5 Basics with Spring Boot | AWS Cloud Practitioner Essentials | SQL and Relational Databases | Core Java and OOPs Training Program