

AYUSH SINGH

NOIDA(U.P, INDIA) – 201301

☎ +91 98102 38290 ✉ ayushhomz@gmail.com [in](#) [Linkedin](#) [G](#) [Github](#)

EDUCATION

DRONACHARYA GROUP OF INSTITUTIONS

B.TECH IN INFORMATION TECHNOLOGY

NOV. 2022 – JUL. 2026

GREATOR NOIDA(U.P, INDIA) – 201306

EXPERIENCE

CODEC TECHNOLOGIES

JUL. 2025 – AUG. 2025

WEB DEVELOPER INTERN

REMOTE

- Engineered RESTful APIs using FastAPI, Spring Boot, and PostgreSQL, enhancing LMS dashboards and reducing data retrieval time by 40%.
- Designed and deployed a GitHub analytics dashboard with Flask, Django, React.js, Angular.js, and Docker, improving student activity tracking efficiency by 50%.
- Developed dynamic visualizations to monitor classroom repository contributions, enabling instructors to gain real-time insights.
- Applied technologies: FastAPI, Flask, Django, React.js, Angular.js, Spring Boot, PostgreSQL, Docker.

EI SYSTEMS

OCT. 2024 — DEC. 2024

FULL STACK DEVELOPER INTERN

REMOTE

- Developed and Deployed full-stack web applications using MERN stack and Spring Boot, accelerating development cycles by 30%.
- Built responsive, cross-platform user interfaces with React.js and Angular.js, increasing user engagement by 25%.
- Implemented secure backend APIs using Express.js, Hibernate, and integrated MongoDB/SQL, ensuring seamless data operations.
- Applied technologies: React.js, Angular.js, Node.js, Express.js, MongoDB, Spring Boot, Hibernate, SQL.

PROJECTS

YATRAFLOW | REACT.JS, NODE.JS, EXPRESS.JS, MONGODB, SOCKET.IO

JUL. 2025 — AUG. 2025

- Developed a real-time traffic and accident alert system using Socket.io, delivering live updates with under 1-second latency.
- Integrated map-based UI and location-tracking features to personalize alerts, boosting user retention by 30%.
- Built secure backend APIs and MongoDB data models to support scalable and reliable notification delivery.

SAHAARA | ANGULAR.JS, NODE.JS, EXPRESS.JS, MONGODB

JUN. 2025 — JUL. 2025

- Built a full-featured property listing platform with search filters, property comparisons, image uploads, and real-time messaging.
- Implemented secure login, real-time chat, and payment integration using Razorpay, improving user engagement by 35%.
- Designed scalable backend architecture with Node.js and Express.js, managing concurrent listings efficiently.

VISIONTOWER360 | PYTHON, OPENCV, YOLOV8, FLASK, REACT.JS, MONGODB

FEB. 2025 — MAR. 2025

- Designed an AI-powered surveillance system with YOLOv8 and OpenCV for real-time crowd detection, weapon recognition, and anomaly monitoring, achieving 85% detection accuracy.
- Built an interactive React dashboard to stream live CCTV feeds and alert logs, improving incident response time by 40%.
- Utilized MongoDB to store event data and detection logs, enabling structured alert history and analytics.

MEDIPREDICT | REACT.JS, SPRING BOOT, HIBERNATE, MYSQL, FASTAPI

APR. 2025 — MAY. 2025

- Built an AI-powered disease prediction engine via FastAPI with 82% symptom-classification accuracy.
- Developed secure user/admin modules with Spring Security for efficient role-based access.
- Designed a React and Chart.js dashboard with Google Maps API, improving patient outreach by 40%.

FINGUARD | ANGULAR, SPRING BOOT, HIBERNATE, POSTGRESQL, APACHE KAFKA

MAY. 2025 — JUN. 2025

- Engineered a high-performance financial platform processing 10,000+ transactions daily.
- Implemented real-time fraud detection with Kafka streaming, reducing false positives by 25%.
- Built Angular admin dashboard for monitoring suspicious activity and generating audit reports with JWT authentication.

TECHNICAL SKILLS

LANGUAGES: C++, JavaScript(Es6+), Java, Python, SQL, Bash, Typescript, HTML5, CSS3.

FRAMEWORKS: React.js/Next.js/React Native, Angular.js, Node.js/Express.js, Flask/Django/FastAPI, Spring Boot/Hibernate.

LIBRARIES: Tailwind CSS, Pandas, Numpy, Matplotlib, Seaborn, OpenCV, YoloV8, Socket.io.

DATABASE AND TOOLS: MongoDB/PostgreSQL/MySQL, Redis/Firebase, Git/GitHub, Postman, Apache Kafka, REST APIs.

TESTING TOOLS: Jest, Cypress, Selenium, PyTest, JUnit, Postman.

DEVOPS: Linux/Unix, Docker, Kubernetes, Jenkins, AWS, AZURE, Prometheus, Grafana.

CORE SUBJECTS: Data Structures and Algorithms(DSA), System Design, Operating Systems, OOPS, Databases, Networking.

ACHIEVEMENTS AND EXTRACURRICULAR

- Secured 1st Place in IDE BOOTCAMP Organized By AICTE and Ministry of Education(Govt. of India) – FEBRUARY, 2025.
- Secured semi finalist position at NSUT 30 Hrs Hackathon – JANUARY, 2024.