

# Ayush Chauhan

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## Summary

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Software Engineering undergraduate with strong hands-on experience in Java, JavaScript, Node.js, React, and RESTful microservices. Skilled in building scalable, secure backend services, database-driven applications, and API-first architectures using MySQL and MongoDB. Strong foundation in Data Structures & Algorithms, software engineering fundamentals, and rapid learning in enterprise HealthTech environments.

## Education

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**Chitkara University**, BE in Computer Science and Engineering

Aug 2023 – Present

- CGPA: 8.89/10.0

## Experience

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**R&D Intern**, StudifySuccess

Nov 2024 – Jan 2025

- Conducted applied research to translate business requirements into technical insights.
- Performed data analysis and system evaluation to identify performance gaps and optimization opportunities.
- Translated research findings into scalable recommendations impacting product strategy (+20% revenue).

**Web Development Intern**, OctaNet pvt.ltd (Con-current Part time)

Dec 2024 – Jan 2025

- Built and integrated RESTful APIs enabling reliable data exchange across distributed systems.
- Developed and deployed scalable full-stack applications, focusing on backend stability and performance.
- Worked with version control (Git), CI/CD pipelines, and cloud environments to support production deployments.

## Technologies

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**Languages:** Java, JavaScript, Python, SQL, Shell scripting

**Frontend :** React, Next.js, TailWind CSS

**Databases :** MySQL, MongoDB, Redis

**DevOps & Tools :** Git, CI/CD Pipelines, Postman, Docker, Swagger/OpenAPI, AWS, Azure

**Backend & APIs :** Node.js, Spring Boot, RESTful Web Services, Express.js, WebSockets

**Core CS :** Data Structures & Algorithms, Software Engineering, Testing, Deployment

## Projects

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**MediSync - Medical Assistant**

Live | Repository

- Built a full-stack HealthTech platform with secure doctor-patient workflows, RESTful APIs, role-based access control, medical records, referrals, and AI-assisted healthcare services.
- Tools/Languages : Node.js, Next.js, React, TypeScript, RESTful APIs, MongoDB, Git, RapidAPI, CI/CD

**KWIZZ - Quizz Master Platform**

Repository

- Designed clean layered architecture and modular services following enterprise backend design principles.
- Built modular backend services with Spring Data JPA and Hibernate.
- Tools/Languages : Java 21, Spring Boot, Spring Security, REST APIs, MySQL, Hibernate, Maven, React

**Aethermeet - Private Anonymous Rooms**

Live | Repository

- Built a production-ready, secure, real-time collaboration platform using Node.js, APIs, and WebSockets, focusing on scalability, authentication, and compliance-oriented system design.
- Implemented secure, scalable microservice-based APIs with real-time communication and authentication.
- Tools/Languages : Node.js, Socket.io, MongoDB, Redis