

Aryan Yadav

Software Developer | Full-Stack Engineer
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EDUCATION

Govt. Engineering College, Ajmer
B.Tech in Computer Science & Engineering
CGPA: 8.0

2020 – 2024

EXPERIENCE

TechCompiler Data Systems

Dec 2024 – Present

Software Engineer Intern

- Developed scalable and high-performance Web Applications and Mobile Apps using **React.js**, **React Native**, **Node.js**, **MySQL**, **REST APIs**, **Azure**
- Collaborated on backend development, API integrations, and real-time feature implementations.

Igniter's Hub, Noida

June 2023 – Aug 2023

Full-Stack Intern

- Built and optimized RESTful APIs using **SpringBoot** while designing dynamic frontend interfaces in **React.js**.
- Integrated robust authentication mechanisms and managed secure database operations with **MySQL**.

TECHNICAL SKILLS

- Languages:** JavaScript, TypeScript, Java, Python
- Web Technologies:** HTML5, CSS3, Bootstrap, Material-UI
- Frameworks & Libraries:** React.js, React Native, Next.js, Spring Boot, Express.js
- Databases:** MySQL, MongoDB
- Cloud & DevOps:** Azure, Docker
- Tools:** Git, VS Code, Postman, REST APIs
- Mobile Development:** React Native, Redux
- Machine Learning:** TensorFlow, Keras, PyTorch, OpenCV, scikit-learn

PROJECTS

Online Auction Platform (Like E-bay)

Node.js, React.js, MySQL, Socket.IO, Redis, WebSockets

- Developed a real-time bidding platform enabling live auctions with automatic bid handling.
- Implemented **Socket.IO** for instantaneous updates and **Redis** for efficient caching.
- Leveraged a microservices architecture and containerized deployments using **Docker** for scalability.
- Integrated advanced security measures, including JWT-based authentication and multi-factor verification.

Task Management Mobile App

React Native, Redux, Firebase

- Developed a comprehensive task management app featuring push notifications, real-time sync, and offline support.
- Integrated state management using **Redux** and secure authentication via **Firebase Auth**.
- Designed an intuitive dashboard for task analytics and performance tracking.
- Leveraged third-party APIs to integrate calendar and notification functionalities.

Real-Time Currency Converter

Spring Boot, Thymeleaf, Hibernate, MySQL, REST APIs

- Built a responsive currency converter with live exchange rate API integration.
- Developed comprehensive unit and integration tests to ensure high reliability and performance.
- Employed caching strategies to reduce API latency and improve user experience.
- Designed a clean, adaptive UI with **Thymeleaf** for optimal multi-device compatibility.

Sign Language Video Call

Python, TensorFlow, Next.js, WebRTC, Flask

- Developed a real-time sign language translation system for video calls.
- Trained a deep learning model to accurately detect hand gestures and convert them to text.
- Integrated **WebRTC** for seamless, low-latency video communication.
- Optimized server performance using **Flask** for real-time inference handling.

CERTIFICATIONS & HONORS

- Java Development Internship** - Igniter's Hub
- Qualified for the Regional Mathematics Olympiad (RMO).