

# Arjun Yadav

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## Introduction

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Full Stack Developer with 1.5 years of hands-on experience, Currently in my 3rd year of B.Tech in Computer Science. Passionate about building and scaling web applications efficiently, with a deep understanding of system architecture and performance optimization. Proficient in JavaScript, Python, Golang, and SQL, with strong problem-solving skills and a solid grasp of Data Structures and Algorithms.

## Skills

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**Languages:** JavaScript, TypeScript, Python, Golang, Java, SQL, C

**Technologies:** React.js, Next.js, Tailwind CSS, Recoil, Redux, Node.js, Bun, Express, WebSockets, REST APIs, Microservices, PostgreSQL, MongoDB, Firebase, Redis, Docker, Kubernetes, AWS(EC2, S3), CI/CD, Nginx, Git, Linux, Monorepo, Prisma, Data Structures and Algorithms

## Education

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**Gokaraju Rangaraju Institute Of Engineering And Technology**, B.Tech in Artificial Intelligence and Machine Learning

June 2022 – June 2026

- GPA: 8.87/10.0
- **Coursework:** The Odin Project, cs50

## Projects

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### Algo-Arena Coding Platform

code | live

- Developed a coding platform where users can practice algorithmic coding challenges for technical interviews
- Tech Stack: Next.js, Tailwind CSS, Express, Judge0 API, PostgreSQL (Prisma)
- Architecture: Microservices-based with a dedicated file system for problems and test cases
- Development: Used Turborepo for monorepo management

### Real Time Chess Application

code

- Developed a multiplayer chess platform with real-time WebSocket communication
- Tech Stack: Next.js, Tailwind CSS, Express, PostgreSQL (Prisma), ws for WebSockets
- Architecture: Microservices-based with a separate WebSocket server for real-time interactions
- Deployment: Dockerized and deployed on AWS EC2 with a CI/CD pipeline via GitHub Actions

### Multi-User Drawing Tool

code

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tech Stack: Next.js, Tailwind CSS, Express.js, PostgreSQL (Prisma), ws for WebSockets
- Architecture: Microservices-based with a separate WebSocket server for real-time collaboration
- Deployment: Dockerized and deployed on AWS EC2 with CI/CD automation via GitHub Actions

### Twitter-Like Social Media App

code | live

- Developed a social media platform using Firebase for authentication and data storage
- Implemented features like posting, liking, and commenting
- Used Firestore for real-time data updates and Next.js for frontend

## Other Information

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**Languages:** English, Telugu, Hindi

**Interests:** Coding, Movies, Cricket