Arjun Yadav

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Github | LinkedIn | portfolio

SUMMARY

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

- **Programming Languages:** JavaScript, TypeScript, Python, Golang, SQL
- **Frontend:** React.js, Next.js, Tailwind CSS, Recoil, Redux
- **Backend:** Node.js, Bun, Express.js, WebSockets, REST APIs, Microservices
- **Databases:** PostgreSQL, MongoDB, Firebase, Redis
- **DevOps & Cloud:** Docker, Kubernetes, AWS(EC2, S3), CI/CD, Nginx
- **Other Tools**: Git, Linux, Monorepo, Turborepo, Prisma
- **Data Structures and Algorithms:** Solved 400+ problems on Leetcode

EDUCATION

- B-tech in Artificial Intelligence and Machine Learning | GRIET (2022-2026) | CGPA: 8.93

PROJECTS

- **Algo-arena | Demo | Code**
  - Developed a coding platform where users can practice algorithmic coding challenges for technical interviews
  - **Tech Stack:** Next.js, Tailwind CSS, Express.js, Judge0 API, PostgreSQL (Prisma).
  - **Architecture:** Microservices-based with a dedicated file system for problems and test cases.
  - **Development:** Used Turborepo for monorepo management
  - **Deployment:** Dockerized and deployed on Digital Ocean Droplet with a CI/CD pipeline via GitHub Actions.

- **Real-Time Chess Application | Demo | Code**
  - Developed a multiplayer chess platform with real-time WebSocket communication
  - **Tech Stack:** Next.js, Tailwind CSS, Express.js, PostgreSQL (Prisma), ws for WebSockets
  - **Architecture:** Microservices-based with a separate WebSocket server for real-time interactions
  - **Development:** Used Turborepo for monorepo management
  - **Deployment:** Dockerized and deployed on AWS EC2 with a CI/CD pipeline via GitHub Actions.

- **CollabDraw - Collaborative Drawing Application | Demo | Code**
  - Developed a real-time collaborative whiteboard similar to Excalidraw, allowing users to draw, pan, zoom, and move objects in sync.
  - **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
  - **Development:** Used Turborepo with bun for monorepo management
  - **Deployment:** Dockerized and deployed on AWS EC2 with CI/CD automation via GitHub Actions

- **Twitter-Like Social Media App | Live | Code**
  - Built 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

LANGUAGES: English, Telugu, Hindi | | **INTERESTS:** Coding, Movies, Cricket.