

Arya Pratap Singh

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EDUCATION

Indian Institute of Information Technology

Bachelor of Technology in Computer Science and Engineering, CGPA 8.6

Ranchi, Jharkhand

Aug. 2023 – Present

DAV International School

10+2 Qualified, Science Stream, AISSCE 95.6%, AISSE 98.2%

Mumbai, Maharashtra

Apr. 2009– Feb. 2023

EXPERIENCE

Flutter Integration Tester

Palisadoes Foundation, Talawa

Oct. 2024 – Present

Remote

- Collaborating with the core team to improve the test coverages and integration/unit tests of the existing frontend application
- Created GraphQL Widget tests for the files with low coverage. Improved the overall code coverage from 95% to 95.63%
- Improved a specific test coverage from 70% to 93% maintaining the existing code structure and functionality and increased the response fetching time via minor optimizations and data structures

Node Backend Developer

GoFr

Aug. 2024 – Sep. 2024

Remote

- Resolved Optimisation Issues with ParseRefractor function used in web-sdk cron. Fix improves the cognitive capability from 14 to 8 which is below the allowed limit 12
- Connected with Organisation to implement new features
- Maintaining the Codebase and resolving critical issues and CI/CD pipeline check

PROJECTS

Video Generator AI Website | NextJs 15, Javascript, Clerk Drizzle-ORM, Neon

Sep 2024 – Nov 2024

- Transforms text queries into engaging, high-quality videos using advanced AI
- Modern UI with responsive design, built using Shadcn/UI and Tailwind CSS
- Combines GPT-4, ElevenLabs, Assembly AI, and Hugging Face for superior performance
- Ensures user safety with Clerk and Firebase integration
- Powered by Drizzle ORM, PostgreSQL, and Next.js 15 for scalability and performance
- Ideal for marketers, educators, and content creators looking for quick, automated video generation

Mental Health App | Flutter, ExpressJs, Postgresql, Redis, Render-Deployment

Oct 2024 – Oct 2024

- Helps users manage stress and anxiety with personalized AI-driven advice and a built-in relaxation music player
- Powered by LLAMA-8B-8192 and a facial emotion recognition model, it supports external APIs like Anthropic, OpenAI, and Mistral
- Developed with Node.js, PostgreSQL, Firebase, and TensorFlow, deployed on Render, ensuring a secure and scalable architecture adhering to clean principles
- Offers a sleek UI for seamless navigation and features like face-based mood analysis and meditation tips

Legal Document Reviewer | NextJs, NodeJs, Typescript, CopilotKit, Vercel-Deployment

Sep 2024 – Oct 2024

- Simplifies the review and organization of legal documents, catering to non-professional lawyers
- Leverages CopilotKit for AI-driven insights and recommendations on legal texts
- Clean and intuitive UI for seamless navigation and document management
- Ensures fast performance and scalability for real-world applications

TECHNICAL SKILLS

Languages: Dart, JavaScript, TypeScript, Go, Python, C/C++, C Sharp, SQL (Postgres), Lua (Redis), Mongoose, HTML/CSS, bin/bash, YAML

Frameworks: React, Next.js, Node.js, Flutter, Flask, Shadcn, TailWind, Material-UI, GroqAI, AppWrite, Prisma, Drizzle, GORM, Django, FastAPI, JSON Serialization, Protobuf

Developer Tools: Git, Apache Kafka, GitHub, InstillAI, Docker, Kubernetes, Vercel/Netlify/Heroku/Cloudflare, CircleCI, TravisCI, Amazon Web Services, Google Cloud Platform, Clerk, Render

Libraries: TensorFlow, GoFr, Scikit-Learn, pandas, NumPy, Matplotlib