

# 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

### SWE Intern

Nova AI

Feb. 2025 – Present

Remote

- Developing the Flutter App from scratch using BLoC and Clean Architecture
- Working on frontend creation and optimisation of the backend and gateway services in Hono
- Integrating major tests using flutter testing framework and jest testing to make the application consistent

### SDE Intern

PinoxioAI

Jan. 2025 – Present

Remote

- Working on developing the Explanation Engine of the product Mioo using Langchain
- Building and Integrating the frontend React and Tauri App to be deployed by Q1 Release this year
- Managing the deployment services on AWS and exploring Phi-4-o1 finetuning in explanation engine

### Full Stack Developer Intern

Acumensa Technologies Pvt Ltd.

Nov. 2024 – Present

Remote

- Working on developing Full Stack Applications for the company and upstream clients
- Building and testing complex scenario applications involving IOT Integrations via a communication channel
- Integrating various backend services like AWS EKS for full fledge deployment with almost maximum uptime and processing of 10M+ Data

## 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

## TECHNICAL SKILLS

**Languages:** Dart, JavaScript, TypeScript, Go, Python, C/C++, C Sharp, SQL (Postgres), Lua (Redis)

**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