Arya Pratap Singh

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EDUCATION

Indian Institute of Information Technology   Ranchi, Jharkhand
Bachelor of Technology in Computer Science and Engineering, CGPA 8.6   *Aug. 2023 – Present*

DAV International School   Mumbai, Maharashtra
10+2 Qualified, Science Stream, AISSCE 95.6%, AISSE 98.2%   *Apr. 2009– Feb. 2023*

EXPERIENCE

SDE Full Time   May. 2025 – September. 2025
Pelton AI   *Remote*
- Developer pelton.ai from scratch, integrated multiple self made aws-powered gateways for secure and fast chatting services and payment gateway using stripe
- Made multiple sections like custom GPTS, project sections, user handling, State management using redux. Made it completely responsive and used three.js in some parts
- Worked on creating tests using vitest, used Hono for the backend with Modular Architecture and easy rollbacks. Managed deployments, cloudflare security and handled multimodal chat safely

SWE Intern   Feb. 2025 – May. 2025
Nova AI   *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   Jan. 2025 – April. 2025
Pinoxio AI   *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   Nov. 2024 – April. 2025
Acumensa Technologies Pvt Ltd.   *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
- Combines GPT-4, ElevenLabs, Assembly AI, and Hugging Face for superior 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

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