UDAI DAS

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SKILLS

Language	Python, Typescript, SQL
Libraries	Langchain, Streamlit, Pandas, Numpy, Open CV,Scikit-learn, Matplotlib, Seaborn, React
Frameworks	Fast API, Pytorch, TensorFlow, Next.js
Database	Chroma DB, Mongo DB, Postgres, My SQL
Tools	MLflow, Azure, AWS, Docker, Kubernetes, Git/Github, Hugging Face

WORK EXPERIENCE

Software Engineer (Freelance), Aaharan EduSMART Pvt. Ltd. (Contract)   Jul 2025 – Jan 2026
Build the Official District KPI monitoring System for Gov of Tripura

- Built a multi-tier KPI analytics platform monitoring 11+ indicators across 8 districts and 60+ blocks, delivering real-time dashboards, rankings, and trend analysis for 800K+ users with 75% reduced query times.
- Developed automated data pipelines with PostgreSQL, calculating monthly rankings, alerts and insights using weighted scoring algorithms across education, infrastructure etc improving reporting efficiency by 60%.
- Implemented real-time dashboards with Recharts featuring KPI heatmaps, comparative analysis, and predictive alerts, achieving <100ms response time through caching—40% faster than traditional websites. (Live Demo)

PROJECTS

OatMeal – AI-Powered Resume Career Optimization Platform

- Developed a full-stack Next.js application integrating OpenRouter with RAG architecture to generate ATS-optimized resumes and personalized CV, improving job application success rates by up to 40% through intelligent job description parsing.
- Used multi-model AI pipeline with NLP for automated resume optimization, cover letter generation, ATS scoring, and vector-based semantic matching using MongoDB for persistent storage and real-time document analysis.
- Built intelligent features including AI-powered text editing, project detail extraction from job postings, interactive dashboards and rate-limiting with authentication. (Try it here) (Github Repo)

Environmental Impact AI Agent – Sustainability Analytics Platform

- Developed a full-stack Streamlit application with RAG architecture using LangChain, ChromaDB, and Groq LLM, helping users reduce environmental footprint across CO_2, water, and waste metrics by up to 60%.
- Used vector store retrieval, receipt scanning, financial ROI calculator, dataset analyzer, and environmental scoring system with A+ to F grading based on multi-metric performance.
- Implemented NLP, CSV/Excel file upload analysis, interactive dashboards with real-time visualizations, sustainability goal tracking recommendations from curated knowledge base. (Try it here) (Github Repo)

EDUCATION

Bachelor of Computer Science, ICFAI University, Tripura   2023-2027
8.7 CGPA

ACHIVEMENTS CERTIFICATIONS

- 2 times state level hackathon contest winner in Web Development [Certificate](#)
- Certification in [Data Structures & Algorithm](#), [Docker & Kubernetes](#), [Data Science, ML,DL & NLP](#)