

UDAI DAS

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SKILLS

Language	C, C++, Python, Typescript, HTML, CSS
Frameworks	React, Next.js, Node.js, Fast API, Tailwind
Database	MongoDB, ChromaDb, Postgres, MySQL, REDIS, Prisma
Cloud & Tools	AWS(EC2, Lambda, ECS, EKS, S3), Docker, Kubernetes, NGINX

EDUCATION

Bachelor of Computer Science, ICAFI University, Tripura 2023-2027
9.58 SGPA

WORK EXPERIENCE

Software Engineer (Freelance), Aaharan EduSMART Pvt. Ltd. (Contract) Jul 2025 – Jan 2026
District KPI Monitoring System – Government of Tripura

- Engineered a three-tier RBAC District KPI Monitor platform using React, TypeScript, Node.js, and PostgreSQL with in-memory LRU caching, reducing server load by 75%.
- Automated data pipelines with PostgreSQL, calculating monthly rankings, alerts and insights using weighted scoring algorithms across education, infrastructure etc improving reporting efficiency by 90%.
- Shipped real-time dashboards with Recharts featuring KPI heatmaps, comparative analysis, and predictive alerts, achieving < 100 ms response time through caching—40% faster than traditional websites.

Software Engineer (Intern), National Informatics Centre (NIC) (Certificate) May 2025 – Jul 2025
Unified Government Services Platform

- Collaborated with a team to deliver an e-governance platform using Python, React, Node.js, Prisma, Docker and Redis to provide government services easily.
- Architected event-driven microservices with JWT RBAC, API gateway and admin dashboards for 100+ services.
- Orchestrated omnichannel automation (WhatsApp bots, NLP workflows, bilingual support, async queues); reduced visits by 70%.

PROJECTS

Oatly – AI Resume & ATS Optimization Platform — *Tech Stack: Next.js, TypeScript, MongoDB, lambda, S3*

- Shipped a full-stack Next.js platform with Google NextAuth, ATS-tested templates (up to 98% compatibility), resume scoring, job matching, and real-time editing—cutting onboarding time by 75%.
- Applied multi-model AI pipeline with NLP for automated resume optimization, cover letter generation, ATS scoring, and semantic matching and real-time document analysis, boosting interview success rates by up to 35%.

CodePathway – Interactive Learning Platform — *Tech Stack: React, Capacitor, Supabase, Android*

- Crafted a cross-platform (web + Android) interactive learning app with gamified roadmaps, daily goals, and exam modules—improving user retention by 40%.
- Integrated Supabase authentication, real-time progress tracking, and AI-powered chatbot, reducing user support queries by 30%.

Environmental Impact AI Agent – Sustainability Analytics Platform — *Tech Stack: LangChain, ChromaDB, and Groq LLM, Streamlit*

- Architected a Streamlit application with RAG architecture enabling CO2, water, and waste footprint analysis with up to 60% reduction recommendations across 1K+ records.
- Delivered NLP-driven insights, CSV/Excel uploads, and real-time dashboards with sustainability goal tracking, delivering 30% faster decision cycles and personalized recommendations from curated knowledge base.