

ARNAB DAS

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EDUCATION

Asansol Engineering College

2016 – 2020

B.Tech in Computer Science Engineering - **CGPA - 8.74/10**

EXPERIENCE

EdgeVerve ↗

Sep 2022 – Present

Senior Member of Technical Staff (PE)

- Architected and implemented Centralized User Management with IAM and Keycloak, leveraging FastAPI for the backend, leading to 40% faster authentication processing and enhanced security compliance.
- Developed multiple Proof of Concepts (POC) with FastAPI, Gen AI, AI Agents (LangChain, crewai) Kong API Gateway, OIDC, SAML Protocol resulting in 30% reduced development time for future integrations.
- Collaborated with cross-functional teams, ensuring seamless integration of APIs and microservices, which reduced deployment failures by 50% through robust CI/CD pipelines using Github Actions, Jenkins.

Infosys ↗

Jan 2021 – Sep 2022

Specialist Programmer

- Designed and optimized various Logistics backend APIs for XPO Clients, transitioning to FastAPI and Flask with Azure Cloud, RabbitMQ, Kafka, Kibana, Grafana, Prometheus and New Relic leading to 30% faster data processing and 20% cost reduction.
- Achieved back-to-back victories in the prestigious STG Group Internal Hackathon.

John Deere ↗

Aug 2019 – Mar 2020

Software Intern

- Developed a Tkinter-based dashboard for real-time data visualization, an RPA tool for automated data entry, SAP HANA and ELT pipelines, and an image recognition system using OpenCV and TensorFlow.

PROJECTS

Nandi AI ↗ | FastAPI, OpenAI, Gemini, Cohere, LlamaIndex, RAG, Pinecone, Twilio

Jan 2025

- Generative AI-based tax information portal that leverages semantic splitting, embeddings in Pinecone and MongoDB, to help users query Indian court tax judgments related to Direct and Indirect taxes.

Hitaya Finance 📱 ↗ | FastAPI, React, Kafka, Keycloak, Kong, PostgreSQL, Gemini, and Stripe

Jun 2024

- Generative AI-powered financial application that delivers stock analytics, news feeds, and event insights to generate buy-sell decisions based on market sentiments.
- Created Backend server using the data retrieved and implemented caching as well.

HitayaOne 📱 ↗ | Flask, PostgreSQL, Tensorflow, Pytorch, ReactJS, Neo4j, Google Cloud

Jan 2024

- Developed Hitaya oneAPI Medical Diagnosis, an AI/ML-powered application that leverages PyTorch, TensorFlow, Scikit-learn, XGBoost, and Pandas to analyze x-ray scans and medical data for accurate diagnosis, aiding healthcare professionals in detecting disease patterns and enhancing patient care.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, SQL

Developer Tools: Git, Azure, Google Cloud Platform, PyCharm, VS Code, GitHub

Technologies/Frameworks: Linux, FastAPI, Tensorflow, PyTorch, Angular, React, Docker, Kong API Gateway, Kubernetes, LLMs, Keycloak

CERTIFICATIONS

- Generative AI for Software Development Specialization
- Tensorflow in Professional
- Deep Learning Specialization
- Natural Language Processing

PUBLICATIONS

Construction of Efficient Wireless Sensor Networks for Energy Minimization using a Modified ACO Algorithm

ACHIEVEMENTS

- Won 23+ Global Hackathons
- LeetCode 1450+ Question Solved
- Informatica Data Hackathon
- Intel® Hackathon for Open Innovation
- Accenture Sustainability Hackathon
- KPMG Global Hackathon