

# Kimbadanti Shaw

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[Portfolio](#) — [LinkedIn](#) — [GitHub](#) — [LeetCode](#)

## Professional Summary

Software Engineer with strong experience in **backend development and AI-powered systems**. Skilled in building **scalable REST APIs, microservices, and ML-enabled applications** using Python, FastAPI, and Flask. Practical experience with **machine learning workflows, LLM-based applications, cloud deployment, and CI/CD**.

## Technical Skills

**Programming Languages:** Python, Java, C, SQL, JavaScript (Node.js)

**Backend & Core CS:** REST APIs, Microservices, OOP, DBMS, Data Structures & Algorithms

**AI / Machine Learning:** Machine Learning, Deep Learning, NLP, Computer Vision, LLM

**Frameworks & Libraries:** FastAPI, Flask, PyTorch, TensorFlow, Keras, Scikit-learn, LangChain, RAG

**Cloud & DevOps:** GCP (Cloud Run, Vertex AI), AWS (EC2, S3), Docker, GitHub Actions

**Tools:** MLflow, DVC, Git, Linux

## Experience

### Python AI Intern — OneDose, Jaipur

Jun 2025 – Sep 2025

- Engineered and deployed production-ready **Flask microservices on GCP Cloud Run**, implementing automated **CI/CD pipelines** to improve deployment reliability.
- Developed an intelligent **OCR post-processing system** using fuzzy matching and the **Gemini 2.5 Pro API**, improving medicine-matching accuracy by **35%** and reducing manual review effort.

## Projects

### MediVoice AI – First Aid Medical Voice Assistant

[GitHub](#) — [Demo](#)

*Python, Gradio, Speech-to-Text, Text-to-Speech, Multimodal AI, LLMs*

- Built a **multimodal AI-powered medical assistant** integrating **voice, image, and text inputs** to deliver real-time first-aid guidance.
- Designed **LLM-driven reasoning workflows** with **speech-to-text and text-to-speech pipelines**, enabling fully hands-free, low-latency interaction.

### Medical RAG Chatbot

[GitHub](#)

*Python, LangChain, RAG, Embeddings, GROQ LLM API, Streamlit*

- Developed a **Retrieval-Augmented Generation (RAG)** chatbot using **embedding-based semantic search** for accurate, source-grounded medical responses.
- Integrated **LLM inference via GROQ API** and built an interactive **Streamlit interface**, reducing hallucinations and improving response consistency.

### Chest Cancer Classifier

[GitHub](#)

*Python, PyTorch, TensorFlow, Keras, Scikit-learn, MLflow, DVC, Flask*

- Built an **ensemble-based deep learning classifier** for chest X-ray images using **CNN architectures** and optimized preprocessing pipelines.
- Implemented end-to-end **ML pipelines** with **MLflow and DVC** for experiment tracking, model versioning, and reproducible deployment.

## Education

### University of Engineering and Management, Jaipur

2022–2026

B.Tech in CSE (AIML) — GPA: 8.62 (till 6th sem)

### Bethuadahari JCM High School (WBCHSE)

2020–2022

Class XII — Percentage: 87.60%

### Bethuadahari Girls' High School (WBBSE)

2018–2020

Class X — Percentage: 88.71%

## Achievements

- Top 2% — NPTEL: Python for Data Science [Certificate](#)
- Gen AI Foundational Models for NLP & Language Understanding (IBM via Coursera) [Certificate](#)