

# SOUMODIP DAS

Aspiring ML Engineer

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Kolkata, India



## SUMMARY

I am a B.Tech student specializing in AI and Machine Learning, with hands-on experience through various internships focusing on ML, Generative AI, and Data Analytics. My skills include developing, building, and deploying AI models and solutions. I have worked on innovative projects like a RAG Expert System and real-time Facial Emotion Recognition, showcasing my technical expertise and commitment to solving challenging problems

## EXPERIENCE

### Generative AI Intern

AI WALLAH

07/2025 - 08/2025

Generative AI Internship focusing on model development

- Worked on generative AI models (LLMs) and deployment of generative AI applications

### Intern

AICTE-Shell-Edunet

02/2025 - 03/2025

Internship focused on AI and data analytics projects

- 4-week internship in AI and Data Analytics with dashboard building and model development

### ML Intern

Bharat Intern

01/2024 - 02/2024

ML Internship concentrating on model creation

- Developed regression and classification ML models using scikit-learn

### Open Source Contributor

GSSOC 2024

Open Source Contributor focused on machine learning

- Contributed ML solutions and documentation to open source repositories

## CERTIFICATIONS

- AWS ML Foundations (2025)** – <https://www.credly.com/go/HOe2BjFD>
- AWS Cloud Foundations (2025)** – <https://www.credly.com/go/p81LNB43>
- Python, Flask & REST API (Udemy, 2025)**

## SKILLS

AWS    AWS Cloud    PyTorch

MySQL    Docker Flask    GitHub

Java    Keras    MongoDB

OpenCV    Python    React

Scikit-Learn    Streamlit

TensorFlow    Node.js

## PROJECTS

### RAG Expert System

Aimed at healthcare and legal domains

- Developed a Retrieval-Augmented Generation system combining LLMs with document retrieval
- Implemented ingestion, semantic chunking, hybrid search, and vector database (ChromaDB) for knowledge-intensive domains
- Built a FastAPI backend and Streamlit UI with citation-based responses

### AI Chatbot

- Built a transformer-based chatbot using HuggingFace for question answering tasks
- Created a conversational interface with Gradio to answer domain-specific queries interactively

### Full-Stack Chat App

- Developed a chat application using React, Node.js, and MongoDB
- Implemented authentication, group chats, and private messaging