

SEIA SHIBU

Phone: +91 6238132261

Email: seiashibu.2004@gmail.com

Github link: <https://github.com/SeiaShibu>

Portfolio : <https://seiashibu.github.io/Myportfolio/>

LinkedIn: <https://www.linkedin.com/in/seia-shibu-856b0225b>

PROFESSIONAL SUMMARY

Enthusiastic Computer Science Engineering student specializing in Artificial Intelligence and Machine Learning. Skilled in developing end-to-end ML solutions, from data preprocessing to model deployment, using modern frameworks and tools. Experienced with NLP, LLMs, and MLOps workflows, and eager to apply innovative AI techniques to solve real-world problems.

SKILLS

- Full-Stack Development & Web: React.js, HTML5, CSS3, JavaScript, Flask, Node.js, FastAPI, REST APIs
- Databases & Data Engineering: MongoDB, MySQL, SQL
- Machine Learning & AI: scikit-learn, TensorFlow, PyTorch, LLMs, BERT, Transformers, Sentence Transformers, LangChain, Prompt Engineering, Generative AI
- Data Science Tools: Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook, Google Colab
- MLOps & Cloud: Model Deployment, CI/CD for ML, Monitoring, ZenML, MLflow; Cloud Platforms: Azure
- Soft Skills: Problem Solving, Collaboration, Communication

EDUCATION

BACHELOR OF ENGINEERING IN ARTIFICIAL INTELLIGENCE & DATA SCIENCE (2022-2026)
RNS INSTITUTE OF TECHNOLOGY BANGALORE

PRE-UNIVERSITY KARNATAKA BOARD (2020-2022)
POORNAPRJNA COLLEGE ADAMAR UDUPI

PROJECTS

AI Driven Databsase Query-Systemfor-Retail Inventory and Sales AnalysisPublic

- Developed an LLM-powered Q&A system that answers student queries from a real FAQ dataset used by Codebasics, reducing human staff workload.
- Integrated LangChain with Google PaLM to enable natural language understanding and contextual answer generation.
- Implemented Hugging Face Instructor Embeddings for semantic text vectorization and FAISS for fast similarity-based search.
- Built a Streamlit web interface enabling students to ask questions and get instant, accurate responses.
- Automated responses to common queries, significantly improving response time and reducing manual intervention.
- Technologies Used: LangChain, Google PaLM, Streamlit, Hugging Face Instructor Embeddings, FAISS

House Price Prediction System | LINK: <https://github.com/SeiaShibu/PRICE-PREDICTING-SYSTEM>

- Conduct thorough EDA to craft compelling data narratives.
- Engineer features with a deep understanding of why and how.
- A single model with rigorous testing and validation.
- Integrate MLOps with tools like ZenML & MLflow for experiment tracking and deployment
- Technologies Used: MLOps, ZenML, MLflow

Fashion Influence Platform | Link :<https://github.com/SeiaShibu/Trendsetter-fashion-influence-website>

- Developed a fashion recommendation system.
- Designed an interactive and modern user interface for personalized recommendations.
- Implemented a React-based front-end and a MongoDB-powered backend for scalability.

Technologies Used: React.js, Node.js, MongoDB, OPENAI

PARTICIPATIONS

Sharkathon (AIT Chikkamagaluru) – Loan Prediction System

- Developed a Loan Prediction System using Explainable AI (XAI)

Hackathon (BMS Bangalore) – AI for Marine Ecosystem Conservation

- Developed a machine learning model for water quality analysis to monitor marine health.

CERTIFICATION

- Python for Data Science – Cognitive class by IBM (2023)
- Full-Stack Web Development Bootcamp – Udemy (2024)
- DATA SCIENCE FOR ENGINEER-NPTEL(2025)
- LANGUAGES KNOWN: ENGLISH, MALAYALAM, KANNADA