

Suprovo Mallick

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LinkedIn: linkedin.com/in/suprovo-mallick

GitHub: github.com/DYNOSuprovo

Portfolio: dyno-suprovo-github-io.vercel.app

Education

Kalinga Institute of Industrial Technology (KIIT) , Bhubaneswar	Jul 2023 - Jul 2027
Bachelor of Technology (B.Tech) in Computer Science	
Kalyani Central Model School (KCMS)	2021 - 2023
Higher Secondary Certificate (HSC)	
Julien Day School (JDS)	2011 - 2021
Secondary School Certificate (SSC)	

Projects / Academic Projects

AI Expense Advisor (India Edition) (Streamlit, Gemini API, LangChain, Hugging Face, RAG)

- Built a budgeting assistant that generates sarcastic financial advice based on user input
- Integrated sliders, charts, sentence transformers, and FAQ matcher using embeddings
- Live App: nltk-exp-hfdde4w7vwxjnjjijvcscdi.streamlit.app
- GitHub: github.com/DYNOSuprovo/NLTK-EXP

Aahar AI – Diet & Health Recommendation System (FastAPI, Flutter, Gemini, ChromaDB)

- AI-powered diet assistant that parses and embeds PDF-based diet plans
- Provides contextual responses using RetrievalQA and metadata (location/medical)
- Live App: aaharai.firebaseioapp.com

Hindu Scripture Q&A App (FastAPI, Flutter, LangChain, Gemini, ChromaDB)

- Developed a RAG-based assistant that answers questions from Hindu scriptures
- Scripture PDFs chunked and embedded into vector DB for context-aware responses
- Live App: hindugptbydrago.streamlit.app

ProblemSolverQP (Streamlit, Regex, NLP)

- Automated tool that parses academic question papers and generates model answers
- Live App: question-paper-solver-4hrjgklllywsdrzxchusqb3.streamlit.app

Churn Prediction Model (TensorFlow, scikit-learn)

- Real-time churn predictor with ML pipeline (feature scaling, live inference)

Car Price Prediction (scikit-learn, Pandas, NumPy)

- Regression models with EDA, hyperparameter tuning, model evaluation

Diabetes Prediction Model (Logistic Regression, Random Forest)

- Classification model using real medical data with StandardScaler preprocessing

Technical Skills

Languages: Python, Java, C, C++, Dart

Frameworks & Libraries: TensorFlow, scikit-learn, NumPy, Pandas, Matplotlib, LangChain, Streamlit, FastAPI, Hugging Face

GenAI Tools: Gemini API, ChromaDB, FAISS, Ollama

Dev Tools: Git, Docker, Firebase, Google Colab, Jupyter, VS Code, Flutter, Figma, Fusion 360, SolidWorks

Soft Skills: Problem Solving, Technical Communication, Teamwork, Adaptability, Time Management, Creative Photography

Experience

AI Chatbot & GenAI App Developer – Fed Society

2024 - Present

- Developed a personalized chatbot using Gemini API for student community engagement
- Created and deployed Aahar AI, an AI-powered diet assistant for Fed Society's micro-startup initiative
- Designed a RAG-based pipeline using LangChain, Gemini API, and ChromaDB
- Built modular FastAPI backend + Flutter frontend, deployed on Firebase

Certifications

- Supervised ML: Regression and Classification — DeepLearning.AI (May 2024)
- Career Essentials in Generative AI — Microsoft + LinkedIn (Jul 2024)
- Digital Skills: Artificial Intelligence — Accenture (Jul 2024)
- Google AI Essentials — Google (Jul 2024)
- Intro to Large Language Models — Google Cloud (Jul 2024)