Jay Shivankar

shivankarjay@gmail.com 9975810799 in/jay-shivankar github.com/jayshivankar

SUMMARY

Aspiring GenAI Engineer with hands-on experience in LLMs, machine learning, and end-to-end AI solutions. Recently contributed to industrial trial optimization through AI/ML during an internship and developed end-to-end projects in NLP, computer vision, and chatbot systems.Passionate about building intelligent, user-focused systems using LangChain, Hugging Face, and FastAPI. Curious, creative, and driven by Generative AI.

EXPERIENCE

1. Generative AI Intern

Maestro Intellect **February 2025 - June 2025, Pune**

- Developed Linked-Echo, an AI-based LinkedIn content generator using LangChain, LLaMA 3 (Groq API), and Streamlit, improving influencer post consistency and reducing manual effort by 60%.
- Built a two-stage NLP pipeline to extract metadata (topic, tone, post length) from user history and guide few-shot prompting, enhancing LLM output personalization by 40%.
- Contributed to internal tooling for client-facing GenAI services, improving deployment scalability through FastAPI-based inference and vector search (FAISS).

2. Machine Learning Intern

Maitravaruna Technologies Pvt Ltd **December 2023 - April 2024, Chennai**

- Conducted a research-driven ML project focused on optimizing industrial coating processes by analyzing real-world material science data to enhance corrosion resistance by 15%+.
- Explored experimental datasets and engineered domain-specific features in collaboration with R&D teams, contributing to a deeper understanding of parameter interactions in material performance.
- Applied supervised machine learning models (Random Forest, Linear Regression, etc.) using Scikit-learn and Python to predict and improve coating effectiveness, reducing trial iterations by 30%.

PROJECTS

Log Classification Using Hybrid NLP Framework

github.com/jayshivankar/Log-Classification

- Built a hybrid log classification system using Regex, Sentence Transformers with Logistic Regression, and LLMs (OpenAI), leveraging Python, scikit-learn, Hugging Face Transformers, and LangChain to process diverse log patterns.
- Enabled dynamic selection between rule-based, ML-based, and LLM-based classification layers, achieving classification accuracy >88% and average response time of <2 seconds per log entry.
- Designed to support DevOps and monitoring teams by automating log triaging and anomaly detection, reducing manual log review effort by up to 65% and accelerating root cause analysis.

OrderBot

github.com/jayshivankar/Order-Bot

- Built an NLP-driven chatbot for food delivery using FastAPI, MySQL, and Dialogflow, enabling 24/7 automated support and reducing manual order intake by up to 70% for small food vendors.
- Implemented intent classification, session tracking, and order flow logic, enabling the chatbot to process 15–20 concurrent user sessions with real-time interaction and <2 second response latency.
- Designed to streamline food ordering and tracking, resulting in faster query handling, improved user experience, and lower customer support workload.

Potato Disease Classifier

github.com/jayshivankar/Potato-Disease-Classification

- Trained a CNN model using TensorFlow on the PlantVillage dataset, achieving 92% classification accuracy across three disease categories (Healthy, Early Blight, Late Blight) with over 5,000 labeled images and improving early detection performance by 30%.
- Deployed the model via FastAPI, with a ReactJS dashboard and React Native mobile app, integrating TensorFlow Lite and GCP Cloud Functions to enable real-time inference on mobile devices with an average prediction time of <1.5 seconds.
- Designed the solution to assist farmers and agri-tech platforms, reducing manual disease diagnosis time by up to 60% and enabling proactive crop management through instant, AI-powered feedback.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science (Specialization: Data Science)

SRM Institute of Science and Technology · Chennai · 2025

- Specialized in machine learning, deep learning, and data analysis, with hands-on experience in building real-world AI applications across NLP, computer vision, and structured data tasks.
- Actively engaged in hackathons, technical workshops, and industry-recognized certifications, continuously expanding expertise in data science, AI, and emerging technologies like Generative AI.

Advance Data Science and AI Program (Instructor-led, project-based certification program)

LearnBay · 2025

- Gained hands-on experience through 28+ projects and capstones in domains like BFSI, healthcare, HR, and e-commerce, with 1-on-1 mentorship and real-time data.
- Trained extensively in industry-relevant tools and technologies, including: Python, SQL, MongoDB, PySpark, Scikit-learn, TensorFlow, Hugging Face Transformers, Power BI, Tableau, Flask, FastAPI.
- Expected Certifications upon completion: IBM Data Science & AI Certificate , Microsoft Azure AI Fundamentals , IBM Capstone Project Certificate.

SKILLS

1. **Machine Learning & Deep Learning:** Scikit-learn, TensorFlow, Keras, OpenCV, Hugging Face Transformers
2. **NLP & GenAI Frameworks:** LangChain, LLaMA 3, Prompt Engineering, Langdetect ,FAISS
3. **Data Analysis & Web Deployment :** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, FastAPI,Streamlit
4. **Programming Languages:** Python, SQL,MongoDB
5. **Tools & Platforms:** Git, GitHub, Jupyter Notebook, VS Code, Google Colab, Postman, Dialogflow