MANOJ P M

Shivamogga, Karnataka

+91-9113653069 | manojpoojari1511@gmail.com | LinkedIn | GitHub | Portfolio

SUMMARY

Data Science and Engineering enthusiast with strong foundations in **Python, Machine Learning, Deep Learning, and Data Pipelines**. Hands-on experience in building ML models, feature engineering, and deploying AI applications using **TensorFlow, PyTorch, and AWS**. Proficient in designing **ETL workflows, data visualization dashboards, and model APIs** using modern tools. Highly motivated to contribute to data-driven innovation at Ngenux as a Data Scientist / Data Engineer.

EDUCATION

Alva's Institute of Engineering and Technology, Mijar, Moodbidri 2021 – 2025
*B.E – Computer Science and Engineering — **CGPA: 8.3*** *Dakshina Kannada, Karnataka*

EXPERIENCE AND INTERNSHIP

AI / Machine Learning Intern Mar 2025 – Jun 2025
Sash Info Services Pvt. Ltd, Bengaluru, Karnataka

– Contributed to end-to-end **AI/ML project pipelines** — from data collection and preprocessing to model training, tuning, and deployment.
– Developed and optimized **supervised learning models** using **Scikit-learn, TensorFlow, and Keras**, achieving over **90% accuracy**.
– Implemented real-time **Computer Vision** and **NLP** solutions with **OpenCV, NLTK, and Hugging Face Transformers**.

– Deployed trained ML models as **RESTful APIs** using **Flask**, ensuring scalable and production-ready performance.

Python Full Stack Intern (Data Science) Nov 2024 – Feb 2025
MicroDegree, Mangaluru, Karnataka

– Developed interactive **data analytics dashboards** using **Streamlit, Flask, and Plotly** for visualizing complex datasets.
– Built and automated **ETL pipelines** using Python (**Pandas, NumPy**) for cleaning and transforming large-scale data.
– Integrated predictive **machine learning models** into web applications for real-time data-driven insights.
– Collaborated on backend development using **Django REST Framework** and **MySQL** for scalable database management.

Salesforce Developer Intern Mar 2023 – Jun 2023
Smart Internz, Remote

– Customized Salesforce modules and automated workflows to streamline data processing and reporting.
– Integrated third-party data with Salesforce using **Apex APIs** and built dynamic UIs with **Lightning Web Components (LWC)**.

PROJECTS

1. AI Data Pipeline and Forecasting System (Python, Airflow, AWS, TensorFlow) **Aug 2025**
– Developed scalable **data pipeline** using Airflow, AWS S3, and PostgreSQL for time-series data ingestion.
– Implemented demand forecasting with **LSTM neural networks**, achieving 92% accuracy.
– Built dashboard using **Streamlit + Plotly** for real-time visualization and performance metrics.

2. Generative AI Chatbot with LangChain + OpenAI API **May 2025**
– Created intelligent chatbot using **LangChain + OpenAI** for contextual text generation and Q&A.
– Integrated vector database using **FAISS** for semantic retrieval and prompt optimization.
– Deployed app using **Streamlit** with prompt-tuning to improve coherence by 30%.

3. Fake News Detection using NLP and Machine Learning (Python, scikit-learn, NLTK) **Jan 2024**
– Preprocessed datasets using **NLTK, TF-IDF, and CountVectorizer**.
– Trained **Logistic Regression and Random Forest models**, achieving 95% test accuracy.
– Visualized confusion matrix and ROC-AUC for interpretability.

4. Plant Disease Detection using Deep Learning (TensorFlow, OpenCV) **Nov 2024**
– Implemented CNN-based image classifier achieving **97% accuracy** on plant leaf datasets.
– Used **data augmentation + transfer learning (MobileNetV2)** for improved performance.
– Deployed inference service on Flask API and integrated with web dashboard.

TECHNICAL SKILLS

Languages: Python, SQL, Java, R

Libraries / Frameworks: NumPy, Pandas, scikit-learn, TensorFlow, PyTorch, Keras, LangChain, OpenCV, NLTK, Matplotlib, Plotly, Streamlit

Data Engineering Tools: Apache Airflow, AWS S3, AWS Lambda, PostgreSQL, MySQL, Power BI, Docker, Spark (PySpark basics)

ML Techniques: Regression, Classification, Clustering, Feature Engineering, Deep Learning, NLP, Generative AI

Other Tools: Git, GitHub, VS Code, Jupyter Notebook, Postman, Tableau, Agile/Scrum

Core CS: Data Structures and Algorithms (DSA), OOP, Operating Systems, DBMS, Networking

CERTIFICATIONS

– Python(AI/ML) Internship Certification – MicroDegree

– Postman API Fundamentals Student Expert

– AI Text Summarizer App (Postman)

– UiPath Automation Explorer Training

– Salesforce Administrator and Apex Specialist (Smart Internz)

EXTRACURRICULAR

– Team Lead, Code Guardian – Technical Skill Development Program (AIET, 2022–2025)

– Team Lead – AI-based Candidates Screening Project (AIET)

– Published author of the book **"Whispers of Shadows"**

– Active contributor to open-source ML repositories on GitHub