

PIYUSH LANDGE

AI ENGINEER

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PROFESSIONAL SUMMARY

Computer Science graduate and AI Project Intern with hands-on experience developing AI/ML applications, data processing workflows, and Generative AI solutions using Python. Skilled in Machine Learning, Deep Learning, Generative AI, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), NLP, and Computer Vision. Experienced in building data pipelines, preprocessing and validating structured and unstructured data, developing backend AI workflows, and implementing LLM-powered applications. Hands-on experience with TensorFlow, Keras, Scikit-learn, NumPy, Pandas, SQL, MongoDB, AWS, Azure, Flask, Git, and GitHub. Currently pursuing a Global Certification in AI Engineering and seeking opportunities as a Junior AI Engineer, AI Engineer, or Machine Learning Engineer.

KEY SKILLS

Programming: Python, SQL

Artificial Intelligence & Machine Learning: Artificial Intelligence, Machine Learning, Deep Learning

Generative AI & LLMs: Generative AI, Large Language Models (LLMs), Transformers, RAG, Agentic AI

NLP & Computer Vision: Natural Language Processing (NLP), Computer Vision

Frameworks & Libraries: TensorFlow, Keras, Scikit-learn, NumPy, Pandas

Data Analysis & Visualization: Statistics, Data Analysis, Data Preprocessing, Matplotlib, Seaborn, Tableau, Power BI

Big Data: PySpark, Apache Spark, Hadoop, Spark SQL

Databases: MySQL, MongoDB

Cloud & Deployment: AWS, Azure, Flask

Version Control & Tools: Git, GitHub

PROFESSIONAL EXPERIENCE

Applogix Solutions — AI Project Intern

Feb 2026 – Present

- Developed Python-based backend workflows supporting AI/ML application development and deployment.
- Built end-to-end data processing pipelines for collecting, cleaning, transforming, and preparing structured and unstructured data for AI/ML workflows.
- Processed and structured JSON datasets to generate reliable inputs for model training and inference.
- Applied data preprocessing and validation techniques to improve data quality, consistency, and reliability.
- Identified and resolved data processing and pipeline issues, improving workflow stability and efficiency.
- Used Git and GitHub for version control, code management, and collaborative development.

PROJECTS

DocMind.AI — Document Intelligence & Hybrid RAG Assistant

- Built a multi-tenant RAG platform using Python, FastAPI, Qdrant, PostgreSQL, and React, supporting 9 file formats.
- Achieved 99.3% mathematical precision on tabular queries using semantic vector retrieval with a deterministic Pandas analytics engine.
- Implemented multi-intent routing, authentication, source citations, and automated testing with 75/76 tests passing.

PIYUSH.AI — AI Flyer Designer

- Built a full-stack AI flyer generation platform using React, TypeScript, Supabase, and Google Gemini, generating designs in under 4.5 seconds.
- Improved text accuracy to 98.2% by combining AI-generated artwork with editable HTML5 Canvas text using a single prompt.
- Secured multi-user generation with JWT authentication, PostgreSQL RLS, input sanitization, and rate limiting.

EDUCATION

Bachelor of Computer Science — B.K. Birla College - Mumbai University.

Jun 2023 – April 2026

- Final CGPA: 7.5 / 10

CERTIFICATIONS

Global Certification in AI Engineering — DataMites Institute, Pune.

May 2026 – Present | In Progress | Expected 2026