

ABBAS TATI

Data Scientist | Machine Learning & AI Engineer | NLP & Deep Learning Specialist

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SUMMARY

AI Engineer with strong experience in LLM systems, automation workflows, voice agents, RAG pipelines, OCR tools, and AI chatbots. Skilled in developing end-to-end pipelines using Python, TensorFlow, LangChain, n8n, Supabase, Retell AI, WhatsApp Cloud API, and OpenAI APIs. Experienced in deploying production-grade applications and building scalable AI workflows.

WORK EXPERIENCE

AI/ML Intern | AppSynergies Technologies Ltd., London (Remote) October 2025 - Present

- Built complete RAG pipelines using Supabase Vector DB + LangChain + n8n for document ingestion, embeddings, retrieval, and GPT-based answers.
- Created Retell AI voice agent flows for appointment confirmations, software consultancy, support, and feedback calls.
- Integrated Retell AI with n8n, WhatsApp Cloud API, Email APIs, and Supabase automations.
- Developed an OCR Data Extractor (Streamlit + Python + LangChain), deployed on Render, integrated with n8n for automated processing.
- Built n8n-based web scraping workflows for full webpage extraction, integrated with LLMs and databases.
- Designed and delivered end-to-end marketing automations using AI Calling + WhatsApp + Email + Supabase triggers.
- Created the complete AI Proposal Generator including logic, formatting, retrieval, and workflow testing.
- Contributed to research on Odoo, image-generation models, and workflow pricing systems.

Data Science Intern | Bharti Airtel Ltd. - Gurugram, Haryana Feb 2024 - April 2024

- Assisted in building a large-language-model (LLM)-driven multi-agent framework for configuring and analyzing Airtel's Prepaid, Postpaid, DTH, and bundled plans.
- Prepared and cleaned plan-level data, created exploratory analyses, and supported model evaluation to enable insight generation for business teams.
- Collaborated with the senior engineer on integrating APIs for dynamic data retrieval and plan configuration.

PROJECTS

CareerPathAI — Career Counselor Bot July 2025 - August 2025

- LLM chatbot for personalized career guidance; built recommendations, course/job fetcher, and interactive UI.
- Tech: Python, LangChain, GPT-4, Streamlit, REST APIs, Docker.

CricVision – IPL Match Outcome Predictor June 2025 – July 2025

- Predicted IPL match outcomes using ML with venue, team, weather & historical stats; delivered win probabilities + visual analytics for 50+ fixtures.
- Tech: Python, Pandas, NumPy, Scikit-learn, Plotly, XAMPP.

Seq2Seq Chatbot Aug 2025

- Built an encoder-decoder LSTM chatbot with preprocessing, tokenization, vocab handling, and checkpointing for context-aware responses.
- Tech: Python, TensorFlow/Keras, NumPy, NLP tools.

Coverly - Auto Cover Letter generator Sep 2025

- Streamlit app generating job-specific cover letters with a match score and rationale; supports multiple input formats + one-click downloads.
- Tech: Python, Streamlit, OpenRouter/OpenAI API, pdfplumber, docx.

EDUCATION

Bachelor of Computer Applications April 2025

- Brihan Maharashtra College of Commerce (BMCC) - Pune, Maharashtra - Scored 7.44 CGPA

Data Science, Machine Learning, DL, NLP Bootcamp June 2025

- Krish Naik - Udemy

ADDITIONAL INFORMATION

- Programming: Python, SQL, Pandas, NumPy, DSA
- AI/ML: Machine Learning, Deep Learning, TensorFlow, Keras, PyTorch
- LLMs & NLP: LangChain, Transformers, RAG, Vector Databases, Prompt Engineering
- Automation: n8n, Supabase (DB + Vector DB), Retell AI, WhatsApp Cloud API, Email APIs
- Tools: Streamlit, Flask, Docker, Git, AWS, Azure
- Other: Web Scraping, API Integrations, Deployment (Render/Docker)