

PRAKUL JAIN

AI/ML ENGINEER

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SUMMARY

AI/ML Engineer with expertise in building scalable machine learning models using Python, TensorFlow, and scikit-learn. Skilled in deep learning, NLP, and computer vision with deployment experience. Proficient in AWS services like SageMaker and Lambda, along with Docker and CI/CD pipelines for smooth model integration. Strong foundation in data preprocessing, algorithm optimization, and model evaluation. Passionate about solving problems through data-driven, production-ready solutions.

TECHNICAL SKILLS

- Programming & Tools: Python, SQL, Github, Jupyter Notebook, VS Code, Flask, FastAPI
- Machine Learning: Supervised & Unsupervised Learning, Feature Engineering, Generative AI, Vector DB
- Deep Learning: ANN, CNN, RNN, LSTM, Tensorflow, LLMs, Transformers, RAG, Prompt Engineering
- Cloud: AWS (SageMaker, Lambda, EC2, CI/CD, Bedrock)

PROFESSIONAL EXPERIENCE

AI/ML ENGINEER INTERN

REGEX SOFTWARE SERVICES | JAIPUR | DEC 2024 - Present

- Built ML models using scikit-learn for business forecasting and applied tuning to improve performance.
- Deployed models with AWS SageMaker and Lambda for scalable, production-ready inference.
- Leveraged LLMs (Gemini, Bedrock) and prompt engineering to generate strategic business insights.
- Used ChromaDB in a RAG setup for semantic search, boosting accuracy by 15% and reducing training time.

EDUCATION

Maharishi Dayanand University ,Ajmer
Bachelor Of Computer Application

June 2022 - June 2025

Makrana Public School , Makrana
Intermediate (CBSE)

Apr 2021 - Apr 2022

PROJECTS

SmartOps AI - GenAI Strategy Assitant

- Built a GenAI assistant using **Gemini LLM**, **Serper API**, and **Tavily** to generate business strategies via prompt workflows and Streamlit

BeautySyncPro - Smart Salon Management

- Developed a Flask-based web application with a SQL database backend and an integrated AI-powered chatbot. The chatbot leverages **LangGraph** orchestration with **Serper**, **Tavily**, and **LLM APIs** to deliver dynamic, real-time responses and web-sourced insights.

ADDITIONAL INFORMATION

Google Vertex AI Certification (Batch) – Google Cloud | April 2025

- Hands-on experience with Vertex AI for building, training, and deploying ML models on Google Cloud.

Coding & Problem-Solving Achievements

- Solved 100+ problems on LeetCode, demonstrating strong problem-solving and algorithm skills.
Achieved 5-star rating on HackerRank, showcasing proficiency in coding and competitive programming.