




AHTESHAM SHAIKH

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PROFESSIONAL SUMMARY

Certified Data Scientist (2025) with expertise in Python, TensorFlow, PyTorch, Hugging Face, and NLP/Generative AI. 2.5+ years of professional experience in data operations, validation, and large-scale dataset preparation (Client: NVIDIA). Executed multiple projects in computer vision (CNNs), sequence modeling (LSTMs), NLP, and GenAI, with a focus on recommendation systems, classification, and forecasting. Currently upskilling in LLMs, LangChain/AutoGen frameworks, and AI agents for automation. Immediate joiner eager to contribute as an AI Engineer in developing next-gen AI/GenAI solutions.

CORE SKILLS

- Programming: Python (Pandas, NumPy, Scikit-learn), SQL
- Deep Learning: TensorFlow, PyTorch, Keras, CNNs, LSTMs
- NLP & GenAI: Hugging Face Transformers, Prompt Engineering, LLM Applications
- AI Agents: LangChain (Upskilling), AutoGen (Upskilling), API Integrations
- Data Operations: Annotation, Validation, Cleaning, Reconciliation, Quality Assurance
- Visualization & BI: Power BI, Tableau, Matplotlib, Seaborn
- Collaboration: Agile, Documentation, Stakeholder Communication

TECHNICAL TOOLS

- Python, SQL, Excel (Advanced), Power BI, Tableau
- TensorFlow, PyTorch, Hugging Face Transformers
- Pandas, NumPy, Scikit-learn
- LangChain, AutoGen (Learning), OpenAI APIs
- Jupyter Notebook, Google Colab, Git/GitHub

SELECTED DATA SCIENCE & AI PROJECTS (2025)

- Paddy Rice Disease Classification – Developed CNN model with TensorFlow/Keras for crop disease detection, achieving 90%+ accuracy.
- Stock Market Forecasting – Implemented LSTM models for time-series forecasting and stock trend predictions.
- NLP Sentiment Analysis – Applied Hugging Face Transformers for text classification and sentiment detection.
- HR Analytics – Predicted employee attrition using ML classification models and feature engineering.
- Flight Delay Prediction – Built predictive models using Logistic Regression and Random Forest on imbalanced data.

- California House Prices – Applied regression models (XGBoost, Linear Regression) to minimize RMSE.
- US Visa Approval Prediction – Classification model achieving ~80% accuracy in predicting visa outcomes.
- Recommendation System (Learning Project) – Exploring collaborative filtering & deep learning approaches to personalize content delivery.

PROFESSIONAL EXPERIENCE

Process Engineer – Data Operations (Client: NVIDIA)

Spectrum Consultancy Pvt. Ltd. | Dec 2022 – Apr 2025

- Prepared and validated large-scale image/video datasets for ML model training and testing.
- Performed anomaly detection, reconciliation, and quality assurance, achieving 98%+ accuracy in outputs.
- Collaborated with ML engineers to ensure clean, audit-ready datasets for AI applications.
- Automated QA and reporting workflows with Python and Excel, reducing manual reporting time by 20%.
- Worked in fast-paced environments, consistently meeting high-volume project targets.

Design & Production Engineer

Swastik Rotomatic | Jun 2019 – Jun 2022

- Prepared and validated production and inventory reports, improving data accuracy and operational decision-making.
- Resolved discrepancies in reporting processes, enhancing compliance and efficiency by 15%.
- Collaborated with suppliers and cross-functional teams to ensure accurate workflows.

EDUCATION & CERTIFICATIONS

- Certified Data Scientist – Completed 2025
- M.E. Mechanical – Machine Design | Pune University | 2020–2022 | CGPA: 8.78
- B.E. Mechanical | Solapur University | 2015–2019 | CGPA: 8.23
- Diploma – Mechanical Engineering | MSBTE Mumbai | 2012–2015 | 65.59%