

Shafiya Kausar

AI Engineer · Data Scientist · Machine Learning Engineer

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LinkedIn — GitHub — Portfolio — Medium

Profile

AI Engineer and Data Scientist passionate about transforming complex data into intelligent, real-world solutions. Specialized in NLP, multimodal AI, and predictive modeling, with hands-on experience building scalable, production-ready systems that deliver measurable impact. Known for combining strong analytical thinking with product intuition to design efficient, user-focused AI solutions. Seeking a full-time opportunity to contribute to innovative, high-impact projects in AI and data science.

Skills

Technical: Python, R, SQL, Flask

ML/AI: Deep Learning, NLP, Time-Series, Multimodal AI, Document Intelligence

Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch

Tools: Power BI, Git, MLflow, Docker, Google Cloud, Azure

Languages: English (Fluent), French (A1)

Professional Experience

AI Engineer — INSEAD, Fontainebleau Dec 2025 – Present

- Designed and deployed an agentic RAG knowledge base for institutional data access.
- Automated IT technician scheduling workflows, improving operational efficiency.
- Developed a forecasting model (97% accuracy) for device lifecycle, repairs, and allocation.

Research Assistant — Aivancity School for Technology, Business & Society, Paris Jan 2025 – Jan 2026

- Developed pipelines for extracting text, images, and tables from PDFs.
- Optimized multi-zone document intelligence systems for structured data extraction.

Data Scientist — IntHealth, Paris May 2025 – Jan 2026

- Built mood-to-genre NLP pipeline, increasing user engagement by 35%.
- Delivered production-ready MVP integrating sentiment analysis with recommendations.

Machine Learning Engineer Intern — CodeVeda (Remote) Jul 2025 – Sep 2025

- Improved model performance by 12% through benchmarking and evaluation optimization.
- Streamlined evaluation workflows and improved consistency of model metrics.

Product Manager Intern — Progoton, Bangalore Jun 2025 – Sep 2025

- Defined and prioritized SaaS analytics roadmap, reducing delivery time by 20%.
- Analyzed 1000+ user feedback entries to improve usability and product alignment.

Data Scientist — AURA, Paris Jan 2025 – Apr 2025

- Built CNN/RNN architectures for ECG data, improving seizure detection accuracy by 17%.
- Automated preprocessing pipelines, increasing data throughput by 25%.

Research Assistant (AI/NLP) — NeuralTeks, Paris Sep 2024 – Dec 2024

- Integrated multimodal retrieval models achieving 0.82 mAP.
- Improved embeddings via prompt optimization and semantic alignment.

Assistant Manager Operations / Data Intern — AR Cars, Bangalore Oct 2022 – Nov 2022

- Built Excel and Power BI dashboards for costs, logistics, and procurement tracking.
- Increased sales by 37% through interactive dashboards improving stakeholder insights.

Volunteer Experience

UN Volunteer — UI/UX Designer, Action Lab for Development (Remote) Jan 2026 – Present

- Conducted hands-on UX testing of the MoralityCode ethical AI app, identifying 11 critical bugs and usability issues across the user journey.
- Designed Before/After solution mockups with implementation specs for the developer team, covering input validation, navigation fixes, and flow improvements.
- Classified all UI pages as mandatory or optional to establish a clear product structure.

Food Distribution Volunteer — Linkee, Paris Sep 2024 - Dec 2025

- Assist in collecting and distributing meals to people in need and refugees across Paris, contributing to the fight against food waste and food insecurity.

Food Collection Volunteer — Secours Populaire Français, Paris

Feb 2024 - March 2024

- Collect surplus food from supermarkets for redistribution to vulnerable communities and refugees through the national solidarity network.

Projects

- **Resume Skill Extractor:** Flask app using Mistral API to extract and classify skills (95% precision).
- **Chess Piece Detection:** YOLOv5 model achieving 92% mAP.
- **Credit Card Analytics:** Power BI dashboards analyzing 50K+ records for revenue and spending insights.

Education

MSc AI & Data Science — Aivancity, Paris

2024 – Present

BSc Physics, Chemistry & Mathematics — Bengaluru North University, India

2020 – 2023

Certifications

- AI Product Engineering — UC Berkeley SCET
- Digital Transformation in Supply Chains — PMI
- Creating API Documentation — LinkedIn Learning