IRFAN SHAIKH

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SUMMARY

Final-year B.Tech student in AI Data Science at AISSMS IOIT, passionate about building production-ready ML systems and full-stack AI tools. Experienced in internships, publications, and mentoring peers. Strong foundation in NLP, GenAI, deployment, and real-world data projects.

EDUCATION

Bachelor of Technology, AISSMS IOIT, Pune   2022 – 2026 (Expected)
Artificial Intelligence and Data Science   CGPA: 7.3 / 10
Key Courses: Machine Learning, Deep Learning, NLP, MLOps, Cloud, AI, DSA, DBMS, Software Engineering, Power BI, Tableau

EXPERIENCE

Machine Learning Intern — AI Adventures LLP   Jun 2024 – Aug 2024
- Built ML models and deployed solutions using Flask Streamlit.
- Mentored junior interns; increased project throughput by 40%.

PROJECTS

- **InstaNews – AI News Automation Platform**
  Scrapes, summarizes, tags, and posts news to Instagram, WhatsApp, Twitter, Email SMS.
  Stack: React, Tailwind, Flask, HuggingFace, Render [Live Demo]
- **Water Potability Detection with CI/CD Pipeline**
  CI/CD-integrated ML system using GitHub Actions, MLflow, Docker; 90% accuracy on potability prediction. [Live Demo]
- **Image Captioning (CNN + LSTM + Transformer)**
  Image-to-text captioning using deep learning models and HuggingFace Transformers; deployed with Streamlit.
- **English-Hindi Machine Translation (Transformer)**
  Built Transformer model with PyTorch on parallel corpus for language translation; deployed with Streamlit.
- **Spam Message Detection (NLP)**
  TF-IDF + Naive Bayes pipeline with 97% test accuracy, deployed via Streamlit.

SKILLS

Languages: Python, C++
AI/ML: scikit-learn, PyTorch, TensorFlow, HuggingFace, Transformers, LLMs, RAG, AI Agents, NLP
Web: React, Flask, Streamlit, Tailwind CSS, REST APIs
DevOps: Docker, GitHub Actions, DVC, MLflow
Tools: Git, SQLite, Power BI, Tableau
Soft Skills: Communication, Leadership, Team Collaboration

LEADERSHIP

- **ML Club Lead**, AISSMS IOIT — Organized hands-on workshops on MLOps, LaTeX, and AI project building.
- **Media Publicity Executive** — Led event branding, design, and outreach for major tech fests.

RESEARCH

- **IJRASET Publication — May 2025:** *"Security Report Generation via LLM-RAG Assisted Directory Scanning"* **Paper ID:** IJRASET71261   [View Online]

EXTRA-CURRICULAR

- Wrote blog: **"Hyperparameter Tuning Techniques"** on Medium [Read]