

# Sohaib Ahmed

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🌐 LinkedIn | 🐙 GitHub | 🤗 HuggingFace

## Summary

Data Science graduate with 3+ years building production ML systems and data infrastructure for international clients. Reduced operational costs 40-60% through intelligent automation. Presented technical insights to engineering teams and business leaders, translating complex data into actionable strategies.

## Experience

### AI & Automation Developer

*Perdel Solutions*

- Built customer engagement system using n8n and OpenAI GPT for service inquiry automation
- Integrated Twilio voice API and Google Calendar for automated scheduling, delivering in 4 weeks
- Coordinated requirements with design and stakeholder teams across multiple channels

Aug 2025 – Sep 2025  
Lahore, Pakistan

### ML Engineer

*Enterprise Clients via Upwork Platform*

- Completed 8+ projects building document analysis systems with Flan-T5 and Llama 3.8B models
- Created PyTorch transformer prototype for client education, generating \$15K in revenue
- Implemented prompt engineering strategies, reducing client API costs by 40%

Sep 2023 – Sep 2024  
Lahore, Pakistan

### Data Automation Developer

*HR Tech Clients via Upwork Platform*

- Built automation systems for 5 HR companies processing 50K+ monthly resumes
- Designed ETL pipelines with validation frameworks, collaborating with product teams
- Developed Power BI dashboards presenting recruitment metrics to executives

Oct 2022 – Dec 2022  
Lahore, Pakistan

## Projects

### InSightAI | Python, OpenAI, LangChain | 🧩 | 🐙

- Published an open-source PyPI package (InSightAI) with 7 LLM-powered agents for natural language data analysis
- Reduced manual data analysis time by 70% through automated code generation

Jan 2025

### Whisper Small Urdu ASR | PyTorch, Transformers | 🗣️

- Fine-tuned OpenAI Whisper model for Urdu speech recognition and deployed it on Hugging Face Hub, achieving 20+ downloads

Oct 2025

### E-commerce Data Warehouse | PostgreSQL, dbt, Power BI | 🐙

- Designed a star-schema data warehouse to process 100K+ transactions, improving query performance for analytics
- Implemented dbt transformations with a CI/CD pipeline and thorough documentation, ensuring maintainable and accurate data workflows

Dec 2024

### Stock Market Prediction | XGBoost, FastAPI, Docker | 🐙 | 🐳

- Engineered an ensemble stock prediction system with 73 features, achieving a 4.25 Sharpe ratio in backtests
- Deployed the model as a FastAPI microservice, containerized with Docker to deliver predictions in under 3 seconds

May 2024

## Technical Skills

**Languages:** Python, SQL, R, JavaScript, TypeScript

**ML & AI:** PyTorch, TensorFlow, scikit-learn, XGBoost, LangChain, RAG, Prompt Engineering

**Data:** Power BI, Tableau, Spark, Airflow, dbt, PostgreSQL, MySQL, ETL

**Tools:** Docker, FastAPI, Flask, Git, n8n, GCP, Azure

## Education

### FAST NUCES

*Bachelor of Science in Data Science*

Relevant: Machine Learning, Deep Learning, NLP, Data Warehousing, Statistical Analysis

Sep 2021 – Jun 2025  
Lahore, Pakistan

## Research & Certifications

**Publications:** "Mobile Edge Computing" – arXiv:2404.17944 (2024)