

# Mian Muhammad Umair Naeem

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## Professional Summary

Full Stack AI Engineer with hands-on experience building end-to-end ML pipelines, LLM-integrated applications, and production-ready full-stack platforms. Proven ability to design and deploy AI-driven solutions across web and mobile environments using Python, React Native, Node.js, and cloud technologies. Passionate about building scalable, impactful products at the intersection of AI and software engineering.

## Technical Skills

**AI & Machine Learning:** Python, scikit-learn, LLMs, ML Pipelines, Feature Engineering, Cross-Validation, Hyperparameter Optimization, EDA

**Frontend:** Next.js, React.js, TypeScript, HTML5, CSS3, Tailwind CSS

**Mobile:** React Native

**Backend & Databases:** Node.js, RESTful APIs, JWT, MongoDB, Firebase, PostgreSQL, SQL

**Data & Visualization:** Pandas, NumPy, Streamlit, Matplotlib, Seaborn

**Tools & Practices:** Git, GitHub, Postman, Agile, Modular Programming, OOP

## Experience

### ITSOLERA PVT LTD

Data Science Intern

Islamabad, Pakistan

July 2025 – Sep 2025

- Built end-to-end **ML pipelines** involving data cleaning, feature engineering, and statistical analysis using Python, Pandas, and SQL.
- Developed and evaluated **machine learning models** (regression and classification) using cross-validation and robust evaluation metrics (ROC-AUC, F1).
- Designed and deployed **Streamlit dashboards** to communicate model outputs and analytical insights to non-technical stakeholders.
- Developed Python automation scripts and modular reusable components, improving internal processing efficiency and system maintainability.
- Contributed to backend logic integration for internal dashboards and collaborated within an **agile team** environment.

## Projects

### Automated ML Platform (AutoML)

Technologies: Python, Streamlit, scikit-learn, LLMs

2026

[Code](#) | [Live Demo](#)

- Developed an end-to-end **AutoML platform** automating EDA, preprocessing, model training, and evaluation through a code-free interface.
- Implemented ML pipelines with cross-validation, class imbalance handling, and hyperparameter optimization across multiple supervised models.
- Integrated **LLM-powered explanations** to generate interpretable summaries of model behavior and dataset characteristics.
- Validated model performance using statistically sound metrics (ROC-AUC, F1-score) to minimize overfitting and variance bias.

### Clinic-Connect – Smart Healthcare Communication Platform

Technologies: React Native, Node.js, TypeScript, Firebase

2025

[Code](#) | [Live Demo](#)

- Developed a full-stack **SaaS platform** connecting patients and clinics for seamless appointment booking and medical record access.
- Implemented a secure **Node.js backend** with TypeScript, managing authentication, real-time scheduling, and role-based access control.
- Integrated **Firebase** for scalable NoSQL storage, enabling real-time database interactions and push notifications.
- Deployed a cross-platform **React Native** mobile client with a smooth, responsive UI for end-users.
- *Demo credentials:* Email: [iloveu@gmail.com](mailto:iloveu@gmail.com) | Password: 123456

## Education

### National University of Sciences and Technology (NUST)

Bachelor of Science in Computer Science

Islamabad, Pakistan