

# Yureed Elahi

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## Professional Summary

Associate Data Analyst with experience automating reporting systems, building full-stack tools, and delivering data-driven solutions across tech and football. Improved dashboard efficiency by 40% and saved \$5,000 annually through secure internal apps. Skilled in combining data science, engineering, and product thinking to create tools that enhance decision-making and solve real-world problems. Now transitioning into a Data Scientist role focused on scalable AI solutions and measurable impact.

## Work Experience

### Data Science Dojo

Lahore, PB, Pakistan

Associate Data Analyst

Sep 2024 - Present

- Built end-to-end ETL pipelines using Microsoft Fabric and Power Automate, processing diverse data sources (Excel, CSV, SQL databases, email attachments) with automated data validation, reducing manual processing time by 70%
- Developed automated Salesforce data pipeline moving enterprise data into Microsoft Fabric Lakehouse with optimized SQL queries and reusable views, ensuring reliable data availability for real-time analytics
- Created secure Streamlit web application consolidating internal dashboards with Microsoft authentication integration and role-based access control, serving 5+ departments while eliminating Power BI Pro license costs (~\$5,000 annually)
- Designed comprehensive recruitment analytics system transforming manual Excel processes into automated Power BI pipeline, reducing quarterly reporting time from 4-5 hours to under 1 hour through streamlined data workflows

### Psyscout

Remote

Freelance Data Analyst

May 2023 - Nov 2023

- Produced opponent-specific scouting reports using Python and R, incorporating advanced metrics to support tactical decision-making at the club level.
- Created static visual reports in Tableau and R highlighting match dynamics, key player patterns, and tactical trends to assist pre-match analysis and post-match reviews.

### FC Dinamo Tbilisi

Remote

Intern Data Analyst

Jan 2023 - Nov 2023

- Built an interactive Streamlit dashboard that cut scouting review time by over 50%, enabling staff to evaluate hundreds of players more efficiently during transfer windows
- Analyzed performance data for 100+ players using custom metrics and visual pipelines in Python, R, and Tableau
- Flagged high-potential targets based on KPIs like xT, defensive actions, and possession value, supporting recruitment shortlists
- Received internal recognition for high-impact scouting insights during transfer windows.

## Projects

### AR Glasses for Social Support

- Designed AR glasses with ESP32-CAM and SH1106 OLED to deliver real-time emotion recognition feedback for users with social anxiety.
- Trained a custom CNN model (FER dataset) using TensorFlow/Keras; achieved 71% multi-class classification accuracy across 9 emotions.
- Engineered wearable hardware for emotion recognition; collaborated with psychologists to validate usability for individuals with social anxiety, resulting in a 3D-printed, power-optimized prototype tested in live user trials.

### Momentum Modelling with Machine Learning



- Developed a context-aware method to track match momentum using Premier League event data.
- Built a predictive model using XGBoost to estimate the probability that a possession chain would lead to a goal, based on features like EPV gain, total xT, progressive actions, and player involvement.
- Applied rolling averages of predicted goal probabilities to model momentum evolution across a match timeline.
- Identified tactical shifts and team dominance more effectively than traditional metrics (e.g., pass counts or possession).
- Limitations acknowledged: current model excludes defensive transitions, match context (e.g., scoreline), and game-phase adjustments; future iterations planned.

#### ExamPal – AI Tutoring Platform for Cambridge Students

- Built front-end in Next.js (React) and integrated LangGraph + Supabase for RAG-based AI tutoring. Added containerized deployment workflow and CLI utility for dataset updates and model retraining.
- Integrated image recognition to retrieve relevant questions and marking schemes from a database of 5000+ past papers
- Developed tools for MCQ solving and AI-assisted answer evaluation using LangGraph and Supabase
- [Link to project](#)

#### LLM Powered TikTok Analyzer

- Developed an AI SaaS tool that analyzes TikToks and suggests improvements + script ideas.
- Developed Next.js (React) front-end with hooks and context API for dynamic UI state management.
- Enabled TikTok creators to receive tailored script ideas, title suggestions, and performance analysis using Gemini API and NLP-based content tagging.
- [Link to project](#)

### Talks and Publications

#### “Building Interactive Dashboards with Ease: A Streamlit Crash Course”

*Data Science Dojo – April 2025*

- Conducted a hands-on webinar for 50+ professionals and learners.
- Demonstrated real-time Streamlit app deployment and dashboard automation.

#### "Enhancing Neural Networks with Logic-Based Rules: Build Smarter, More Transparent AI"

*Data Science Dojo – August 2025*

- Delivered advanced technical webinar on neuro-symbolic AI to 50+ experienced professionals and data scientists
- Demonstrated integration of symbolic reasoning with deep learning for enhanced model interpretability and control

#### Articles Published on Data Science Dojo’s Blog

- [Data Workflows in Football Analytics: From Questions to Insights](#) - April 2025
- [Knowledge Distillation: Making AI Models Smaller, Faster & Smarter](#) - January 2025
- [Data Augmentation: A Comprehensive Guide](#) - December 2024

### Education

**Forman Christian College University**  
*Bachelor's, Computer Science*

- Minor in Mathematics

**Aug 2020 - Nov 2024**

### Certifications

- Microsoft Azure AI Engineer Associate (AI-102)



- Google Data Analytics Certificate
  - Microsoft Azure Fundamentals (AZ-900)
  - Artificial Intelligence Developer — Presidential Initiative for AI & Computing (PIAIC)
  - Introduction to Python for Data Science Bootcamp
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## Leadership & Activities

**General Secretary:** ACM Society – FCCU Spring 2024

- Led cross-functional teams in organizing "FCCU Ignite," a multi-university tech competition with 200+ participants

**Participant:** Football Analytics Hackathon 2024 – by Cube & Transfermarkt

**MIT M(IT)<sup>2</sup> Spring Invitational:** Programming Contest – Ranked 119th in International Category, 234th Overall

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## Skills

**Programming & Libraries:** Python (Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Seaborn), R, SQL, JavaScript

**Data Science & Machine Learning:** Supervised Learning, Model Evaluation, Feature Engineering, Statistical Analysis, NLP, Computer Vision, Prompt Engineering

**Data Visualization & Reporting:** Power BI, Tableau, Streamlit, Matplotlib, Plotly, Microsoft Fabric

**Cloud & Dev Tools:** Microsoft Azure (AI-102, AZ-900), Git, Supabase, Node.js, Next.js, REST APIs

**Workflow & Pipeline Tools:** ETL Pipelines, Data Cleaning, Dashboard Development, Real-Time Reporting, Version Control