Saba Zehra Syed

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PROFESSIONAL SUMMARY

Experienced and research-oriented Data Science professional with international exposure in the UK and India. Demonstrated expertise in AI, machine learning, data analysis, and visualization, with a strong background in academic research and leadership. Proven ability to deliver high-impact data projects, manage cross-functional teams, and drive innovation in tech, healthcare, and education sectors.

SKILLS

Data Analysis: Python, R, SQL, EDA, Data Cleaning, Machine Learning, Deep Learning, API Development
Data Visualization & Reporting: Power BI, Tableau, Excel, MS Exchange 036
AI & Generative Models: Large Language Models, Retrieval-Augmented Generation, Transformers
Cloud & DevOps: AWS, Docker, CI/CD Pipelines
Tools & Platforms: Git, Jupyter, VS Code, Postman, MongoDB, REST APIs

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PROFESSIONAL EXPERIENCE

Manager
McDonald's, United Kingdom
Dec 2022 – Feb 2025

- Led multi-functional teams during high-volume shifts, ensuring operational excellence, accurate cash handling, and compliance with safety regulations.
- Streamlined staff scheduling and inventory control, contributing to a 15% reduction in operational waste and improved service efficiency.
- Implemented recognition and development programs that boosted team morale and promoted inclusivity in alignment with EDI standards.
- Played a key role in recruitment and training, onboarding over 500 team members and mentoring them toward internal promotions.

Programme Manager
Belonging Pioneers, United Kingdom
Feb 2024 – May 2024

- Oversaw the execution of the "Balancing The Scales 2024" project, aligning diversity and inclusion strategies with measurable impact indicators.
- Created content strategies and digital campaign plans while managing marketing analytics to optimize outreach and stakeholder engagement.
- Provided research insights through data cleaning, trend identification, and visual dashboards, informing strategic program decisions.
- Maintained cross-organizational communications, coordinated executive presentations, and ensured project milestones were met.

School Community Officer
University of Hertfordshire, United Kingdom
Sep 2023 – Sep 2024

- Acted as the lead student representative, influencing academic and administrative policies through participation in departmental boards and university-wide meetings.
- Collaborated with the Students' Union and school leadership to develop the Annual Action Plan and drive student engagement through integrated community initiatives.
- Designed and launched campaigns and academic society events that fostered a strong sense of community and improved peer collaboration.

- Recruited and mentored more than 500 student representatives across cohorts, providing structured training, continuous support, and leadership development to ensure effective student governance and inclusive representation.

Java Intern
Wipro, Chennai, India
Mar 2022 – May 2022
- Participated in the end-to-end development of Java-based applications with a focus on maintainability and user experience.
- Conducted rigorous testing and debugging to ensure seamless deployment of enterprise software modules.
- Authored technical design documentation and collaborated with senior developers on architecture planning.

Data Science Intern
Innomatics Research Labs, Hyderabad, India
Oct 2021 – Jan 2022
- Designed and trained CNN and deep learning models for plant disease detection, achieving over 98% accuracy.
- Developed and deployed machine learning APIs, integrating them with user interfaces for practical use in agricultural tech.
- Conducted EDA and geospatial analysis on infant mortality datasets, generating choropleth and heatmaps to visualize regional disparities and support public health planning.

Java and GIS Technology Intern
Infokites Pvt Ltd, Chennai, India
Mar 2020 – Jun 2021
- Developed full-stack web applications using the MERN stack integrated with GIS tools to visualize location-based services.
- Maintained and optimized CI/CD pipelines, ensuring faster deployment cycles and reduced downtime.
- Provided front-line technical support and resolved client-reported issues through structured ticketing and follow-up.

EDUCATION

MSc Data Science & Analytics with Advanced Research
University of Hertfordshire, Hatfield, United Kingdom
Graduated: February 2025
Thesis: *Nexus-Mind: A Comparative Analysis of Retrieval-Augmented & Instruction-Tuned Language Models in AI-Driven Healthcare*

B.Tech Information Technology
Aalim Muhammed Salegh College of Engineering, Chennai, India
Graduated: July 2022
Project: *Building Convolutional Neural Network for Combustion Detection*

CERTIFICATIONS
- **Data Science & Machine Learning**, 360 DigiTMG – 2021

RESEARCH PUBLICATIONS

Fuzzy Logic for Student Performance Evaluation *(JETIR2112534), Dec 2021*
- Developed a fuzzy logic model to enhance fairness in academic performance assessment.

Using Recurrent Neural Network for Taxi Demand Prediction *(JETIR2111308), Nov 2021*
- Applied RNN-based time-series forecasting to optimize fleet management and resource allocation.