Syed Nassirodin Quadri

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Professional Profile

AI Engineer with an MSc in Data Science and hands-on experience building production-grade AI, Generative AI, Machine Learning, and Data Analytics solutions across SaaS, ecommerce, marketing technology, voice automation, and enterprise systems. Experienced in LLM applications, RAG, NLP, predictive analytics, demand forecasting, recommendation systems, customer segmentation, conversational AI, AI agents, and workflow automation. Proficient in Python, SQL, cloud platforms, API integrations, vector databases, and data pipelines, with experience translating business requirements into scalable, data-driven solutions. Skilled in end-to-end AI solution architecture, model integration, automation, and deploying intelligent systems that improve operational efficiency and business decision-making.

Education

Middlesex University

MSc Data Science, 2023-24 Dubai, U.A.E

JNTU-Kakinada

B.Tech Computer Science Engineering, 2018-2023 Visakhapatnam, India

Work Experience

FOUNDER

CatalystIQ| Dubai | **July 2025 - Oct 2026**

- Design multiple industrial grade projects and delivered them.
- Developed multiple POC and MVP Models.
- Build scalable AI pipelines, collaborate with cross-functional teams, and continuously optimize model performance.

AI AND DATA SCIENTIST INTERN

Younoh Media | Dubai | **April 2025 - June 2025**

- Design predictive models and NLP solutions to automate workflows and forecast business outcomes.
- Integrate large language models for content generation, report creation, and data interpretation.
- Build scalable AI pipelines, collaborate with cross-functional teams, and continuously optimize model performance.

HR ANALYST INTER

Apparel Group | Dubai | **Feb 2025 - April 2025**

- Conducted HR analytics including data collection, workforce analytics, and data visualisation for strategic planning.
- Utilised predictive analytics and statistical analysis to improve recruitment metrics and employee retention.
- Developed HR reporting, dashboards, and compliance strategies to support data-driven decision-making.

PYTHON TRAINER

Scholars Tuition | Visakhapatnam | **2021-2023**

- Improved students' Python proficiency by 50% through customised tutoring sessions, hands-on labs, and regular assessments.
- Mentored over 50 students by offering personalised feedback and adaptive learning plans, leading to a 20% increase in exam scores.
- Guided students in Python programming through project-based learning, improving code skills and increasing project completion rates by 15%.

Skills

- **AI & LLMs:** GPT, Google Gemini, DeepSeek, LLaMA, Falcon, Claude, Mistral, LangChain, RAG, OpenAI API, Hugging Face.
- **Data Science & ML:** Python, R, ML Algorithms, Neural Networks, NumPy, Pandas, SciPy, Matplotlib, Altair, Feature Engineering.
- **Analytics & Visualization:** Data Analysis, Predictive Modelling, A/B Testing, Regression, Clustering, Tableau, Power BI, MATLAB.
- **Cloud & Big Data:** GCP, AWS, Hadoop, Apache Spark, Big Data Analytics.
- **Database & Automation:** SQL, MongoDB, Web Scraping, Selenium, Postman.
- **Programming & Web Dev:** JavaScript, Node.js, React.js, PHP, HTML, CSS, Bootstrap.

Projects

- **Vesselreach.si:** Agentic AI solution for Shipping Industry, help the user to stay ahead of competitor, Cause time matters a lot in shipping industry. Visit vesselreach.si for more details
- **Chandler OS:** Agentic AI solution targeted at ship chandlers, aimed at automating and improving commercial and operational activities within the marine supply industry.
- **Fujairah Ship Chandler Intelligence & Outreach System:** Built/enriched a prospecting database for Fujairah ship chandlers containing companies, websites, contact information, verification/confidence levels and outreach-prioritization data.
- **Fidras.com - AI Ecommerce Intelligence Platform:** Shopify-focused SaaS combining ecommerce analytics, customer segmentation, CLV/RFM analysis, churn prediction, sales forecasting, product recommendations, abandoned-cart recovery, AI chatbot, email/WhatsApp/SMS marketing, pixel/event tracking, ad intelligence, and automated growth recommendations.
- **TCG Demand Forecasting AI - Hybrid ML + LLM Forecasting System:** Built a hybrid ML + LLM demand forecasting platform using LightGBM, feature engineering, probabilistic forecasting, and external signals to predict SKU-level demand, stockout risk, safety stock, and reorder quantities.
- **Restaurant POS & Operations Platform:** Full restaurant management/POS system covering table and floor management, orders, billing, split payments, kitchen display, menu management, inventory, branches, riders, customers, employees, reports, payments and operational analytics.
- **AI Restaurant Intelligence System:** AI layer for restaurant operations including WhatsApp ordering, upselling, menu recommendations, abandoned-order recovery, customer segmentation, demand forecasting, inventory predictions, complaint detection, review responses, sales explanations, promotions, reservation handling and voice ordering.
- **AI Voice Agent - "Mariam":** Enterprise conversational AI voice agent for inbound/outbound calls, multilingual conversations, lead qualification, FAQ handling, call routing, appointment booking, transcription, summarization, WhatsApp follow-ups, and CRM-style workflows. Stack discussed included Twilio, Deepgram, LLMs, Cartesia, PostgreSQL/pgvector, Redis, Django, Next.js and Pipecat.
- **Halfords AI QS & Planning Workbench:** Built an AI-powered construction platform for automated quantity takeoff, BoQ generation, cost estimation, BIM/drawing analysis, schedule optimization, and cash-flow forecasting using LLMs, LightGBM, OR-Tools, FastAPI, and Autodesk APS.
- **Employee Performance Dashboard using Power BI:** Created an Interactive Power BI dashboard to visualise employee data, which provides meaningful insights and helps to take necessary action.
- **LLM integrated ATS-friendly resume generator using Django:** Built a Django web app that generates ATS-friendly, job-specific resumes using ChatGPT for tailored content and iterative improvements. Features include resume upload, template selection, and PDF export for professional-quality results.
- **Solar power generation and radiation Prediction application using Django:** Created a Django application for predicting solar power generation and radiation with 92% accuracy using advanced machine learning models.
- **Airbnb rental income revenue prediction:** Developed a machine learning predictive model using neighbourhood, amenities, and capacity data, increasing accuracy by 15% and reducing bias.
- **Patterns in health dataset:** Built interactive dashboards using Tableau, providing insights on health trends by region, helping inform public health policy decisions