

Samuel Ikem

Data Scientist | AI/ML Engineer

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Summary

Highly motivated and results-oriented Data Scientist and AI/ML Engineer with a proven track record of developing and deploying impactful machine learning solutions. Expertise spans the entire ML lifecycle, from insightful data analysis and statistical inference to robust model building, deployment, and monitoring. Passionate about leveraging AI and machine learning to solve real-world problems and drive significant business value. Successfully built and deployed generative AI applications, led complex data analysis projects, and achieved top performance in competitive data science challenges.

Experience

Blulytix

Gdynia

Data Scientist/RPA Developer (Freelance)

01/2023 - Present

As a freelance data scientist and RPA developer, I have successfully delivered numerous projects that leverage data science, machine learning, data analysis, and automation technologies

- Delivered numerous client-centric Data Science and AI/ML solutions, encompassing advanced analytics, machine learning, data analysis, and automation technologies
- Developed and deployed impactful AI applications, including **specialized chatbots** leveraging LangChain and advanced Retrieval Augmented Generation (RAG) with function calling, and an **AI-driven interview preparation tool** using OpenAI API and prompt engineering.
- Leveraged AWS services (EC2, S3) for scalable deployments, automated cloud operations with Boto3, and containerized applications using Docker.
- Containerized ML workflows with Docker, achieving **98.8% API uptime** in production environments.
- Engineered a **GDPR-compliant NLP pipeline** using TinyBERT and Streamlit; performed feature selection and interpretability checks for audit readiness.
- Automated insurance purchase predictions with **85.6% cross-validation accuracy** via collaborative feature engineering.
- Conducted comprehensive data analysis and statistical inference for projects, including in-depth **A/B testing analysis** and **explanatory modeling** (e.g., Red Wine Quality), extracting meaningful insights and providing data-driven recommendations.
- Actively engaged in competitive data science challenges, achieving a **score of 0.79+** in the **Kaggle Spaceship Titanic competition**, showcasing advanced ML skills.

Team Internet

Poland

Data Scientist

02/2025 - 05/2025

- Deployed production-grade ML models for customer engagement, reducing feature delivery time by 25% through CI/CD pipeline optimization and seamless API development integration.
- Conducted quarterly risk assessments using NIST AI RMF and meticulously documented model bias detection metrics for compliance audits.
- Proactively identified, troubleshooted, and resolved critical issues throughout the analytics project lifecycle, maintaining continuous system performance and minimizing disruptions.
- Collaborated with key business stakeholders to translate complex challenges into data-driven solutions, directly supporting strategic objectives like personalized marketing campaigns and improved customer retention.
- Designed and delivered insightful reports and dashboards using business intelligence tools (AWS QuickSight, PowerBI), empowering data-driven decision-making and contributing to quantifiable business outcomes.

TELUS Digital

Gdansk

Data Reporting Analyst

07/2024 - 12/2024

- Leveraged data analysis tools such as Power Query, Excel, Pivot Tables, Tableau, Google Looker Studio, and SQL (mainly BigQuery) to drive decision-making, resulting in improved business strategies and operations.
- Reduced reporting latency by 6 hours/day using BigQuery and Looker Studio dashboards
- Successfully communicated complex data findings in a clear and understandable manner to non-technical stakeholders, improving cross-departmental collaboration and understanding.
- Conducted regular business meeting reviews, effectively updating stakeholders on key metrics and insights, leading to more data-driven decision-making.
- Automated KPI tracking and business dashboards using Python and BigQuery; reduced weekly reporting effort by 30%

Experience

Amazon

Gdansk

Data Analyst|Senior Compliance Associate

08/2022 - 07/2024

- Leveraged data analysis skills to audit and analyze invoices for EU and UK markets, maintaining a 90% above-average rating, demonstrating accuracy and attention to detail.
- Supported compliance monitoring by evaluating AI tool usage for alignment with GDPR and internal risk frameworks
- Contributed to the development of audit reporting schedules, demonstrating experience in data organization and communication.

EDUCATION

Turing College

Data Science and AI Program

04/2024 - Present

- Practical Projects: Completed numerous real-world projects, collaborating with partnering companies to apply data science and AI solutions to business challenges.
- Technical Skills: Mastered a range of technical skills, including data preprocessing, machine learning model development, and deployment using cloud platforms.
- Collaboration and Portfolio Development: Worked closely with industry partners to build a robust portfolio of projects, demonstrating the ability to apply data-driven insights to solve complex problems.
- Career Readiness: Prepared for a career in data science and AI through rigorous training and mentorship, ensuring job readiness with a strong foundation in both theoretical and practical aspects of the field.

Purpose and Means

IAPP AI Governance Professional (AIGP) Training

02/2025

- Completed curriculum on EU AI Act compliance and model auditing

ALX Academy, Warsaw Poland

Data Analysis With Python/Machine Learning Bootcamp

10/2023 - 02/2024

- 4-Month Data Analysis with Python & Machine Learning Overview Bootcamp
- Developed proficiency in Python programming and data analysis techniques.
- Gained a solid foundation in machine learning fundamentals.

Międzynarodowa Wyższa Szkoła Logistyki i Transportu

Bachelor's in Logistics and Supply Chain Management

03/2021 - 03/2024

- Knowledge Gained:
- Purchasing Processes: Selection of supply sources, business negotiation, and cost optimization. Stock Control: Managing and controlling stocks effectively.
- Transport Organization: Understanding logistics for transportation.
- Delivery Management: Proficiency in receiving and controlling deliveries.
- Material Flow Optimization: Strategies to improve material flows within enterprises and supply chains.

Skills

Machine Learning & MLOps:

TensorFlow, Scikit-learn, PyTorch, XGBoost, AWS SageMaker, Docker, CI/CD, FastAPI, Python, Real-Time API development for model inference, Retrieval-Augmented Generation (RAG), Git, GitLab CI/CD, AWS (EC2, S3, ECR, Fargate, SageMaker), IaC Principles, Transformer Models (TinyBERT, Vision Transformers), Model Training, Hyperparameter Tuning, Model Evaluation, Model Deployment.

Data Science & Data Analysis Skills:

SQL, Data Wrangling, ETL Pipelines, Boto3, Cloud Deployments, AWS QuickSight, Google Looker Studio, Excel, Python (Pandas, Seaborn, Matplotlib), A/B Testing, Statistical Analysis, Data Visualization (Matplotlib, Seaborn, Plotly, Tableau, Power BI, Looker), Dependency Management (Poetry).

Compliance & AI Ethics: AI Governance: Model Risk Assessment, Compliance Documentation, Ethical AI Principles

Languages

English Native ●●●●●

German Advanced ●●●●●

Polish Intermediate ●●●●●