Aakash Ramesh Wakekar

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Objective:

Seeking a challenging position as a Machine Learning Engineer / Data Scientist / Data Analyst where can leverage my expertise in Python, NLP, cloud platforms, and big data tools to build scalable AI solutions and deliver measurable business value.

Professional Summary:

Innovative and results-driven Machine Learning Engineer, Data Scientist, and Data Analyst with over 3.5 years of experience in delivering AI-powered solutions using Python, SQL, Microsoft Fabric, Power BI, and NLP. Proven expertise in building and deploying ML pipelines, designing interactive dashboards, developing RAG-based chatbots, and performing sentiment analysis, classification, clustering, regression, and anomaly detection. Skilled in deep learning, time series forecasting, and cloud integration using Azure, AWS, and GCP. Experienced in stakeholder collaboration, KPI improvement, ROI analysis, and production-level model deployment.

Technical Skills

- **Languages & Tools:** Python, SQL, MySQL, PySpark, Advanced Excel, Git, Docker, GitHub Actions
- **ML/AI Frameworks:** Scikit-learn, TensorFlow, PyTorch, XGBoost, Keras
- **NLP & LLMs: Hugging** Face, LangChain, RAG, GPT-4, BERT, VADER
- **Data Engineering:** ETL, Apache Spark, Airflow, Kafka, Hive, Data Pipelines, Data Modeling
- **Cloud & Platforms:** Azure, AWS, GCP, Microsoft Fabric, Azure Data Factory
- **Visualization Tools:** Power BI, Tableau, Matplotlib, Seaborn
- **Concepts:** Predictive Modeling, Feature Engineering, A/B Testing, Anomaly Detection, Classification, Clustering, Regression, Time Series Forecasting, KPI Optimization, ROI Analysis
- **Soft Skills:** Communication, Team Collaboration, Leadership, Problem-solving, Agile Methodologies

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Professional Experience

Machine Learning Engineer
Infoqort Technologies Pvt. Ltd, Mumbai
Sept 2024 – Present

- Designed and deployed ML pipelines in Microsoft Fabric and Azure, improving dashboard KPIs by 30%.
- Automated Amazon review scraping with Python and BeautifulSoup, reducing manual work by 90%.
- Built and deployed Copilot Studio chatbot connected to Azure OpenAI and LangChain for real-time query resolution.
- Developed classification models (SVM, Random Forest, XGBoost) with >90% accuracy.

- Integrated anomaly detection using Isolation Forest, Z-score, and Power BI dashboards.
- Collaborated with stakeholders to deploy models in production using ETL workflows and Airflow scheduling.
- Leveraged AWS and Azure for scalable deployment of real-time analytics models.

Data Analyst / Developer
IIT Bombay, Mumbai
Aug 2023 – Mar 2024

- Automated Python scripts for data preprocessing and analytics workflows using PySpark and SQL.
- Created real-time Power BI dashboards integrated with departmental KPIs and stakeholder insights.
- Built predictive models to identify academic performance trends using regression and time series.
- Integrated data pipelines using Apache Spark and orchestrated processes with Airflow.

L1 / L2 Technical Support Engineer
Avenue E-Commerce Ltd, Mumbai
Oct 2021 – July 2023

- Handled 150+ tickets weekly with 98% SLA compliance and root cause analysis.
- Developed Python automation tools for system log analysis and performance alerting.
- Maintained infrastructure stability across Linux/Windows using scripting and monitoring tools.

Projects

Amazon Review Sentiment Analysis + Chatbot (Sep–Oct 2024)

- Scraped 20K+ Amazon reviews using Python and performed NLP-based sentiment classification using BERT, VADER.
- Deployed chatbot using LangChain and RAG over Azure + Microsoft Fabric backend.
- Used Isolation Forest for fraudulent review detection and embedded A/B testing.
- Pipelines orchestrated via Airflow and deployed using Azure APIs.

Network Traffic Analysis via Squid Logs (Dec 2023 – Feb 2024)

- Parsed proxy logs using Python and Spark to detect traffic spikes.
- Built dashboards with Seaborn, Tableau, and Power BI; reduced analysis time by 80%.

Disease Prediction Using ML (Sep 2022 – Jan 2023)

- Applied Logistic Regression, SVM, Decision Trees to predict heart disease & diabetes.
- Collaborated with healthcare partners; deployed model via Flask and integrated into hospital dashboards.

EDUCATION

University of Mumbai — **September 2021 – June 2023**
Master of Science in Information Technology — Mumbai, IN

University of Mumbai — **May 2018 – June 2021**
Bachelor of Science in Information Technology — Mumbai, IN

Certifications & Training

ineuron.ai **February 2024 – Feb 2025**
Full Stack Data Science with Generative AI Mumbai, IN

Udemy.com
Machine learning A-Z: AI Python & R +ChatGPT **May 2025**
Mumbai, IN

Languages & Interests

Languages: English, Hindi, Marathi
Interests: AI Innovation, Tech Blogging, Cricke