GAGAN SAINI
Data Engineer and Data Scientist

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PROFESSIONAL SUMMARY

Data Scientist with 2+ years of experience applying data analysis, machine learning, and automation techniques to solve real-world business problems in data-driven environments. Skilled in Python, SQL, statistical analysis, predictive modelling, and data visualisation to extract insights from complex datasets. Currently pursuing an **MSc in Data Science at the University of Aberdeen**, with hands-on experience developing scalable analytical solutions that support decision-making, optimisation, and performance improvement.

KEY SKILLS

Python, TensorFlow, Scikit-learn, Pandas, NumPy, Keras, GitHub, Docker, Data Analysis, ETL Pipelines, SQL, Production Code, Data Visualization, Data Modelling, Machine Learning, FinOps, CI/CD, Statistical Analysis, Cloud Computing (AWS, Azure, GCP), Model Deployment, Prototype Development Stakeholder Engagement, Problem-Solving, Communication, Adaptability, Analytical Thinking

EXPERIENCE

DevOps Engineer I   **07/2022 – 12/2024**

CloudEQ Software India Pvt. Ltd.

- Analysed large-scale infrastructure and usage datasets using Python and SQL to identify trends, anomalies, and optimisation opportunities, contributing to an estimated **20–30% improvement in resource utilisation efficiency** across monitored environments.
- Designed and implemented machine learning models, including clustering and predictive techniques, to model usage behaviour and support forecasting and optimisation decisions, **reducing manual analysis effort by ~25%**.
- Built automated data pipelines to extract, transform, and load data from multiple cloud platforms, **cutting data processing and reporting turnaround time by approximately 30%**.
- Developed reusable analytical tools and scripts to standardise data processing, monitoring, and reporting workflows across teams.
- Created clear dashboards, visualisations, and summary reports to communicate insights to technical and non-technical stakeholders.
- Collaborated with engineering, operations, and finance teams to translate business problems into analytical solutions within regulated environments.

EDUCATION

MSc Data Science (In Progress).   **Bachelor of Technology - Civil Engineering**
University of Aberdeen, UK   **Dr. A.P.J. Abdul Kalam Technical University**
01/2025 - 06/2026.   08/2017 – 09/2021

PROJECT HIGHLIGHTS

- Performed exploratory data analysis and statistical modelling on real-world datasets to identify trends, patterns, and anomalies using Python-based data science libraries.
- Developed predictive models and analytical workflows as part of coursework and projects, strengthening practical experience in data analysis, modelling, and automation.
- Experimented with AI and machine learning tools to improve data understanding and streamline analysis processes, aligning with industry-standard analytical practices.

CERTIFICATIONS

Microsoft Certified: Azure AI Engineer Associate | Microsoft Certified: Azure Data Scientist Associate | AWS Certified DevOps Engineer - Professional | AWS Certified Developer - Associate | AWS Certified Cloud Practitioner | Full Stack Python Diploma - FirstBit Solutions

ADDITIONAL DETAILS

Communication, Team Collaboration, Analytical Thinking, Problem Solving, Adaptability