Sugumaran BALASUBRAMANIYAN

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Experienced Data Professional with 5+ years of experience in Data Analysis, Data Science, and Data Engineering. Skilled in leveraging cutting-edge technologies such as Generative AI, Large Language Models (LLMs), MLOps, and cloud-native architectures to drive business growth. Proficient in Python, SQL, Dataiku, Power BI, and cloud platforms (AWS, Azure, GCP). Strong ability to deliver data-driven solutions tailored for business intelligence, automation, and decision-making.

WORK EXPERIENCE

Data analyst (Data Science, Digital Marketing)   Jul 2023 - Dec 2023
Les Compagnons de Paris | Paris, Île-de-France, France
- Designed and maintained dynamic **KPI dashboards** with real-time analytics using **Power BI** and **DAX**, enhancing data accuracy and accessibility **by 27%.**
- Conducted **A/B testing** to **optimize** website design and advertising strategies, **increasing conversion rates by 20%.**
- Optimized **customer segmentation** strategies, **increasing qualified leads by 50%** using advanced clustering algorithms and unsupervised learning models.

Data Analyst (Process Associate)   Apr 2021 - Jul 2022
Capgemini Technology Services | Chennai, India
- Automated **ETL pipelines** and **streamlined data workflows** using **Python**, **Airflow**, and **AWS Glue**, reducing processing time **by 45%** and minimizing errors **by 63%**.
- Developed **time-series forecasting** models with SARIMA and LSTM, cutting inventory costs **by 21%** (€270,000 annually).
- Applied **Six Sigma** principles to improve supply chain efficiency, **increasing on-time delivery** rates from **72% to 95%.**

Data Analyst (Process Executive)   Mar 2020 - Apr 2021
Infosys | Chennai, India
- Developed weekly **automated reports** using **Power BI** and **Excel VBA**, saving **8 hrs** of manual reporting time per week.
- **Mentored 2 associates** in **Python,** I**nventory management processes** and **SQL**, boosting team productivity **by 25%.**

Analyst (Data Analytics)   Jun 2018 - Feb 2020
Arimalytics | Pondicherry, India
- **Improved forecast accuracy by 12%** through advanced **predictive modeling** and **regression analysis.**
- **Developed dashboards** to track **KPI** metrics, enabling clients to monitor progress and make data-driven decisions.

EDUCATION

emlyon business school   Aug 2022 - Feb 2024
Master of Science (Data Science and Artificial Intelligence Strategy)   Paris, Île-de-France, France

McGill University   May 2023 – Jul 2023
International Exchange Term (Data Science, IoT, Big Data Analytics, Recommender Systems)   Montréal, Québec, Canada

Pondicherry University   Jul 2016 - May 2018
Master of Business Administration (Business analytics and Operations Research)   Pondicherry, India

Pondicherry University   Jul 2012 - May 2016
Bachelor of Technology (Mechanical Engineering, Engineering Statistics, Control Systems)   Pondicherry, India

SKILLS

- **Programming:** Python, MySQL, R, NoSQL, Scala, PySpark
- **Data Engineering:** ETL Pipelines, Data Warehousing, Data Wrangling, Apache Airflow, Kafka, Spark
- **Data Science & Machine Learning:** Deep Learning, Big Data, NLP, Generative AI, LLMs (BERT, GPT), AutoML, MLOps, Time-Series Forecasting, Model Explainability (SHAP, LIME)
- **Visualization & BI Tools:** Power BI, Tableau, Dataiku, Looker, Apache, Excel VBA, Metabase
- **Cloud Platforms:** AWS (S3, Glue, Lambda, SageMaker), Azure, GCP, Docker, Kubernetes, Hadoop, CI/CD Pipelines
- **Soft Skills:** Critical Thinking, Problem-Solving, Mentoring, Cross-Functional Collaboration
- **Certifications:** AWS Cloud Practitioner, Dataiku ML Practitioner, Advanced Dataiku Core Designer, Data or Specimens Only Research (CITI Program, US), Microsoft Certified Azure Data Scientist Associate, Agile Project Management
- **Languages:** French (Professional), English (Fluent), Tamil (Native)