LARS OSTERVOLD

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SUMMARY

Highly analytical and results-driven Data Scientist adept at leveraging Python and SQL to extract actionable insights and develop compelling data visualizations. Proven ability to translate complex datasets into clear, concise reports, designing and deploying data-driven solutions that improved efficiency and informed strategic decision-making. Strong foundation in data analysis, statistical modeling, and data visualization, with experience in machine learning and cloud technologies. Passionate about communicating findings and collaborating with stakeholders.

TECHNICAL SKILLS

Programming & Scripting: Python (6+ years), SQL, R, JavaScript, Bash, Linux

Data Analysis & Visualization: Pandas, NumPy, SciPy, Matplotlib, Seaborn, Data Visualization, Data Wrangling, ETL

Machine Learning & Deep Learning: TensorFlow, PyTorch, scikit-learn, Neural Networks (CNNs, RNNs)

Cloud & DevOps: GCP, Azure, AWS, Docker

TECHNICAL EXPERIENCE

Senior Data Scientist | The Dow Chemical Company | April 2023–Present

- Developed and deployed deep learning models (TensorFlow, PyTorch) for molecule discovery, *reducing search time by 87%* and contributing to a patented innovation.
- Designed and deployed a $40MM NPV machine learning-driven customer web app (R Shiny, Python) with backend services deployed via Docker on Azure, *supporting 400+ users*.
- Leveraged Python and data visualization tools to present complex datasets and facilitate data-driven decision-making.

Chief Technology Officer | LION Software | May 2024–March 2025

- Spearheaded the development and deployment of a scalable data visualization and analytics platform, ensuring high performance and reliability for 100+ users.

PROJECTS

Retail Analytics Dashboard (Repo, Dashboard)

- Developed an interactive retail analytics dashboard with advanced forecasting, product analysis, and market insights using Python, XGBoost, TensorFlow, and Streamlit.

Baptized Technology (Repo, Website)

- Designed and deployed scalable full-stack (Next.js) AI chatbots using a Retrieval-Augmented Generation (RAG) stack and cloud-based NLP solutions, handling 600+ monthly queries.

EDUCATION

Ph.D., Chemical Engineering (with focus on Machine Learning & Computational Modeling) | The Pennsylvania State University | 2023, GPA: 4.00

Continued Education : Machine Learning Certification (Coursera, 2025), Deep Learning Certification (Coursera, 2025), Data Structures and Algorithms Certification (Packt, 2025)