

TED P

Data Engineer

Skills

**Programming Languages:** SQL, Python, C, C++  
**Databases:** MySQL, Databricks, Firebase, MongoDB  
**Frameworks & Libraries:** PyTorch, TensorFlow, Talend, NumPy, Keras, Django, Pandas, Arduino, Scikit-learn  
**Tools:** Amazon QuickSight, MS Excel, Power BI, Tableau, Jupyter Notebook, VS Code

Experience

<b>Company 1   Data Analytics Engineer</b>	17 Months
<ul style="list-style-type: none"><li>Developed SQL queries to extract relevant data for in-depth analysis, improving retrieval efficiency and query performance.</li><li>Built interactive dashboards using Amazon QuickSight to monitor ad and sales performance for brands in Brand Intelligence Analysis.</li><li>Collaborated with cross-functional teams to understand dashboard requirements, enhancing data-informed decision-making.</li></ul>	
<b>Company 2   Data Analyst</b>	10 Months
<ul style="list-style-type: none"><li>Applied Python and SQL to perform advanced data transformations, improving data quality and analysis efficiency by 12%.</li><li>Used regression analysis and clustering algorithms to derive insights, enabling revenue-driven strategic decisions.</li><li>Overhauled ETL workflows, boosting pipeline efficiency by 20%, and created interactive visualizations in Power BI.</li></ul>	

Projects

<b>Project 1   SQL, Socio-economic Datasets</b>
<ul style="list-style-type: none"><li>Analyzed socio-economic data from Chicago using SQL to explore economic, social, and demographic trends.</li><li>Identified urban development initiatives for equitable progress and long-term sustainability.</li></ul>
<b>Project 2   Faster R-CNN, DCGAN, ResNet, ResNeXt, Deep Learning</b>
<ul style="list-style-type: none"><li>Built a deep learning pipeline combining Faster R-CNN and DCGAN to forecast fashion trends and generate new designs.</li><li>Tuned hyperparameters for Faster R-CNN with ResNet and ResNeXt backbones for optimal clothes detection.</li><li>Utilized HPC resources to accelerate ResNeXt-101 training, improving convergence and reducing noise in outputs.</li></ul>
<b>Project 3   SQL, Walmart Sales Database, Data Visualization</b>
<ul style="list-style-type: none"><li>Extracted actionable insights from Walmart sales data using SQL.</li><li>Maintained and queried a centralized sales database for integrity and fast access.</li><li>Built visualizations to communicate trends and drive data-informed sales strategies.</li></ul>