

Siddhant Sharma

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PROFESSIONAL SUMMARY

A dynamic professional with 4 years is actively seeking a challenging position that offers a fertile environment to implement the acquired knowledge in a pragmatic world.

EDUCATION

M.S. in Data Science | *University of Colorado, Boulder* Aug, 2023-May, 2025
Statistics | Data Mining | Data Structures and Algorithm | Machine Learning CGPA: 4.0/4.0
B.Tech in Computer Science | *Thapar Institute of Engineering & Technology, Punjab* Aug, 2016-Jul, 2020
Institute merit scholarship for scoring the highest performance index CGPA: 9.13/10

SKILLS

Programming Languages: Java, Python, SQL, R, PySpark, DAX, Power Query
Azure Cloud: Microsoft Fabric Analytics, Azure Data Lake, Azure Databricks, Azure Synapse Analytics, Azure Data Factory, Power BI integration, Azure SQL Database, Azure Functions, Azure Logic Apps.
DevOps & CI/CD: Azure DevOps (Pipelines, Repos, Artifacts, Test Plans), Azure Resource Manager
Business Intelligence Tool: Power BI, Power Apps, Power Automate
Version Control: Git, GitHub
Statistical Analysis: Hypothesis Testing, Experimentation, Regression, A/B testing
Machine Learning: Classification, Clustering, Neural Networks, Regression, Ensemble Methods, Ada-boost
Framework & Libraries: TensorFlow, Keras, PyTorch, Scikit-learn, XGBoost, Pandas, NumPy.

PROFESSIONAL EXPERIENCE

- ❖ **Software Data Operation Engineer | MAQ Software, Redmond** May, 2024-Aug, 2024
 - Developed an end-to-end solution for 10b+ records in data marts and data warehouse by performing ETL transformation on Azure Data Factory, Azure DataBricks and Azure Synapse Analytics.
 - Optimized Power BI report from 200s to 15s by improving report architecture and DAX queries.
- ❖ **Senior Software Engineer | MAQ Software, Noida** Jan, 2020-Aug, 2023
 - Saved employees 8–10 hours per week by developing an automation process for sending pipeline status mail notifications using Power Automate.
 - Saved 1M\$ per year budget cost by analyzing Azure database logs in Power BI report and optimizing Azure service usage.
 - Developed 100+ Power BI reports for optimal business decisions by analyzing data insights.

PROJECT EXPERIENCE

- ❖ **Emotion Surveillance System** May, 2024-Aug, 2024
 - Improved Xception CNN model by 8% for detection of seven emotions (fear, sad, anger, contempt, happy, disgust, and surprise).
 - Optimized model by implementing global average pooling with combined dept-wise separable convolution and residual module.
- ❖ **Credit Card Fraud Detection** Sept, 2023-Oct, 2023
 - Utilized VIF scores to identify pertinent features by considering transaction volume and frequency within brief time window.
 - Developed a CatBoost classification model with ROC-AUC score of 0.89 by class balance achieved through the implementation of SMOTE and resampling techniques.

CERTIFICATIONS

- 70 -761 Querying data with Transact-SQL (Microsoft Certification)
- DA –100 Analyzing Data with Power BI (Microsoft Certification)
- PL-900 Power Platform Fundamentals (Microsoft Certification)
- DP-600 Fabric Analytics Engineer Associate (Microsoft Certification)