

# Akshata Salunkhe

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## SUMMARY

Focused analytical professional with over 2 years of experience, dedicated to continuously enhancing skills in complex problem-solving, and process improvement. Passionate about transferable skills and make data driven decisions.

## EDUCATION

### University of South Florida

Tampa, FL

Master of Science | Business Analytics and Information Systems

Expected May 2025

Relevant Coursework: Data Mining; Advanced Database Management; Analytical Methods for Business

### MKSS's Cummins College of Engineering

Pune, INDIA

Bachelor of Technology | GPA: 8.5/10

Jul 2017 - Jul 2021

Coursework: Big Data, Python, Statistics, Database Management, Data structure, Object Oriented Programming.

## Skills and Technologies

Languages/Databases	Python (NumPy, Pandas, Scikit Learn, Matplotlib), R, SQL (SQL server, MySQL, IBM Db2 on cloud).
Tech Stack	Tableau, R Studio, Microsoft SQL Server, Jupyter Notebooks, Azure DevOps, Visual Studio, JIRA, Git, Microsoft Office: Excel, Word, PowerPoint, Access
Analytical skills	Data Visualization, Machine Learning Algorithms (regression modeling, prediction, forecasting, time series analysis), Six-Sigma Methodologies.

## WORK EXPERIENCE

### Eaton

Pune, INDIA

Associate Software Engineer

Aug 2021 – Aug 2023

- Utilized data analysis techniques to extract valuable insights from old datasets. Created and maintained data pipelines to automate data collection and applied **statistical techniques** for predictive modeling and data forecasting.
- Contributed to process improvement initiatives, leveraging Six Sigma methodologies to reduce manual testing efforts by 60%. Automated testing processes using **C#** in **Ranorex** Studio and **Python** scripts.
- Achieved **Sig Sigma certification** – Green Belt for successfully completed **DMAIC** training and implementing the methodologies for improving the conventional process.
- Experience working in an **Agile** Development Methodology environment to ensure new product releases every year.

### Graduate Assistant | University of South Florida

September 2023-Present

State of Tampa Region

- Contributed to the preparation of the Tampa Bay e-insights report, focusing on the themes of affordability and talent pipeline comparing with other 19 metropolitan statistical areas in the United States.
- Data was collected through public data sources (Goole Trends, Census, Bureau of Economic analysis) and cleaned and transformed raw dataset using Python, Excel, and R.
- Utilized Tableau to create visually compelling data visualizations, aiding in presentation of quantitative assessments.

## PROJECTS

### HR Data Analytics

- Generated key performance indicators, including metrics for measuring remote work percentages and sick leave rates, utilizing Data Analysis Expressions (DAX)
- Restructured data from multiple Excel spreadsheets into Power BI using Power Query. Enhanced decision-making through intuitive data visualizations and predictive analytics.

### Time Series Forecasting with XGBoost

- Implemented measured model performance using metrics such as Mean Absolute Error (MAE), Mean Squared Error (MSE), and Root Mean Squared Error (RMSE) and developed a time series forecasting model that outperformed traditional methods.
- Achieved improved accuracy in predicting future data points, demonstrating the effectiveness of XGBoost for time series forecasting.