

# THARUN TEJA MUTHYALA

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## PROFILE

Data Analytics professional and M.Sc. student with 1+ year of industry experience in SQL- and Python-based analytics. Experienced in data warehousing, reporting automation, dashboards, and ad-hoc analysis for business stakeholders. Passionate about AI-assisted analytics and process automation to improve decision-making.

**Availability:** working student | Internship | immediate start | willing to relocate

## CORE SKILLS

**Data Science & Analysis:** Python (pandas, numpy, scikit-learn), Exploratory Data Analysis, Statistical Analysis

**SQL & Databases:** SQL (joins, aggregations, reporting queries, data preparation, transformations)

**BI & Reporting:** Power BI, Tableau, DAX, KPI Dashboards, Data Visualization, Ad-hoc Reporting

**Data Warehouse & ETL:** ETL Pipelines, Data Cleansing, Transformation, Data Validation, Data Modeling, Alteryx

**Automation & AI:** Excel (Advanced), VBA, AI-assisted analytics, reporting automation, Python scripting

**Collaboration:** stakeholder communication, documentation, cross-functional teamwork

**Languages:** English (Fluent), German (Intermediate)

## PROFESSIONAL EXPERIENCE

### Data Analyst

09/2021 – 09/2022

JBM Group, Chennai, India

- Conducted ad-hoc data analysis using Python, SQL, and Excel to support operational and financial decision-making
- Developed Power BI dashboards enabling real-time KPI tracking for management decisions
- Supported the development and maintenance of ETL pipelines for data extraction, cleansing, transformation, and validation from multiple sources
- Assisted in designing structured reporting datasets and warehouse-style data models to enable reliable and scalable analytics
- Wrote SQL queries (joins, aggregations, transformations) and automated recurring reports using Python/VBA, reducing manual effort and improving accuracy
- Collaborated with cross-functional stakeholders to gather requirements, ensure data quality, and deliver actionable insights through clear visualizations

## EDUCATION

### M.Sc. Mathematical Modeling, Simulation & Optimization

10/2022 – Present

University of Koblenz, Germany

### B.Tech Mechanical Engineering

08/2017 – 09/2021

Vardhaman College of Engineering, India

## PROJECTS

### Customer Churn Prediction

- Performed EDA, feature engineering, and model training using Python (pandas, scikit-learn)
- Tuned models with GridSearchCV and deployed ML predictions via Streamlit for real-time business insights

### Automated Forecasting & Reporting

- Developed an Excel VBA-based automation solution to consolidate multi-source data, generate reports, and streamline planning and forecasting workflows
- Built interactive dashboards and standardized data-driven processes, improving reporting efficiency, transparency, and real-time performance tracking

### Market & Product Performance KPI Dashboard

- Built Power BI dashboards to monitor KPIs and trends
- Developed ETL workflows using Alteryx to extract, cleanse, and integrate data from multiple sources, improving data quality, consistency, and reporting reliability.