

Challapalli Sundara Aditya

Data Analyst

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A detailed-oriented professional targeting opportunities in **data analysis**, skilled in Python, MySQL, Power BI, and Azure ML, with proven expertise in visualization, automation, and machine learning to drive data-driven insights and business impact.

Knowledge Purview

Predictive Modeling

Data Analysis

Data Visualization & Reporting

Data Extraction & Transformation

Machine Learning Model

Data Insights

KPI & Metrics Tracking

Stakeholder Management

Technical Skills

Programming & Data Analysis:

Python(Pandas and Machine Learning libraries)

Databases & Querying:

MySQL, DBMS

Data Visualization & Reporting:

Power BI, Tableau, Microsoft Tools(Excel, Powerpoint, etc)

Operating Systems & Scripting:

Linux Shell Scripting

Soft Skills

Problem-solving | Analytical Thinking | Communication | Teamwork

Education

2025: B.Tech., Chemical Engineering from National Institute of Technology, Warangal(NIT W).

Certifications

Business Analysis Fundamentals -Endorsed by ECBA (Entry Certificate in Business Analysis) Ccba (Certification of Capability in Business Analysis) CBAP (Certified Business Analysis Professional) [Link](#)

Tableau Hands-on Training for Data Science

Copilot Microsoft 365 (Copilot AI + Excel, Word, PowerPoint)

Independent Projects

Analyzed various Kaggle datasets to gain hands-on experience in data preprocessing, EDA, visualization, and basic machine learning.

Profile Summary

- ④ A career-driven **NIT Warangal alumnus** equipped with practical expertise in **data analysis, visualization, and database management**.
- ④ Experienced in **data extraction and automation** using Python libraries such as BeautifulSoup and Selenium, streamlining data collection.
- ④ Applied **Python, MySQL, Power BI, and Azure ML Workspace** across projects to automate processes, extract insights, and enable **data-driven decision-making** for real-world business problems.
- ④ Executed diverse data-driven projects including **machine learning pipelines, neural network models, exploratory data analysis, Power BI dashboards, and database system design**.
- ④ Built and fine-tuned a **3-layer neural network** with TensorFlow and Keras, achieving an **F1 score of 0.71** in predicting customer churn.
- ④ Strengthened **analytical and problem-solving skills** through electives in Numerical Methods and Optimization, with direct relevance to data-driven decision-making.
- ④ Experience in resolving **5-10 client issues** on a daily basis, at NSE, Chennai enhancing **client satisfaction** and operational **continuity**.

Experiences

Technology Trainee, July 2025- Present, National Stock Exchange, Chennai

Linux | MySQL

Key Result Areas

- ④ Resolving client issues through effective use of Linux tools, driving improvements in operational efficiency.
- ④ Leveraging MySQL databases to retrieve and structure critical client data, enabling informed business decisions.

Data Analyst Intern, IQuantela Technologies Pvt. Ltd., Hyderabad, June 2024 - August 2024

Azure ML Workspace | Python | Pandas | BeautifulSoup

Key Result Areas

- ④ Deployed and implemented a machine learning pipeline in Microsoft Azure ML Workspace, applying models such as Decision Tree, Support Vector Machine, and Neural Networks.
- ④ Enhanced the pipeline and achieved a 10% improvement in accuracy.
- ④ Programmed data extraction and analysis processes; leveraged Python libraries such as BeautifulSoup and Selenium to extract insights from websites and streamlined data collection.

Personal Projects

Neural Network to predict Customer Churn

Python | Scikit-learn | Keras | Tensorflow

[github](#)

December 2024

Highlights

- ④ Preprocessed complex datasets through scaling and encoding of key features while ensuring optimized model performance.
- ④ Built & optimized a 3-layer neural network, achieved an F1 score of 0.71 for customer churn prediction.

Power BI Dashboard: Data Professionals Survey Analysis

Microsoft Excel | PowerBI

[github](#)

August 2024

Highlights

- ④ Built a Power BI dashboard to analyze survey data from data professionals, delivered meaningful insights.
- ④ Empowered HR and management teams to take data-driven decisions based on the dashboard findings.

Exploratory Data Analysis on Pizza Shop Sales

Jupyter Notebook | Pandas | Matplotlib | Seaborn

[github](#)

June 2024

Highlights

- ④ Executed an in-depth performance analysis using Python libraries such as Pandas and NumPy, pinpointing top-selling pizza types, customer loyalty rankings, and potential areas for cost reduction.
- ④ Created impactful data visualizations (e.g., donut charts) with Matplotlib and Seaborn to provide actionable insights, driving a **15% reduction** in costs and projecting a **10% sales increase** through optimized inventory management and targeted promotions.

Football Club Database System Design

Microsoft Excel | MySQL

[github](#)

December 2023

Highlights

- ④ Created and structured a robust database system in MySQL, incorporated Entity Relationship (ER) diagrams and detailed table designs to effectively manage player and club data.
- ④ Maintained data integrity and delivered analytical insights to strengthen strategic decision-making for club and team management.