MUTHALURU THARAK NARASIMHA

Data Analyst Intern | Aspiring Data Scientist

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Git hub: https://github.com/tarak-muthaluru

PROFESSIONAL SUMMARY:

Detail-oriented Data Science trainee and Data Analyst Intern with practical experience in **Python, SQL**, and end-to-end machine learning workflows. Skilled in **data cleaning, feature engineering, model development**, and performance evaluation using **Scikit-learn, Pandas, and NumPy**. Experienced in creating dashboards and analytical reports with **Power BI, Excel**, and **visualization libraries.** Familiar with **AI concepts, prompt engineering**, and **building basic generative AI agents** for automation. Strong problem-solving abilities and a solid foundation in data-driven decision-making.

TECHNICAL SKILLS:

- Programming: **Python, SQL**
- Data Analytics & Workflow Optimization**: Analytical Skills, Workflow Analytics, ETL & Data Pipeline Creation, Data Workflow Optimization, Power Query Automation**
- Automation Tools: **Python Automation (data cleaning, processing), Power Query, Excel Automation**
- Machine Learning & AI: **Supervised & Unsupervised ML, Feature Engineering, Model Evaluation, Scikit-learn, NumPy, Pandas, Hyperparameter Tuning, ML Pipelines, Prompt Engineering, LLM Workflow Design, Basic AI Agent Development**
- Data Visualization: **Power BI, Matplotlib, Seaborn**
- Databases: **MySQL, PostgreSQL**
- Tools & Platforms: **Jupyter Notebook, GitHub, MS Excel, Power Query, VS Code**

EXPERIENCE:

- **Data Analyst Intern – Abhyaz (MTAB Technologies Pvt Ltd)**
  May 2025 – Sep 2025
  - Collected and imported business data into **Zoho CRM** and maintained clean data pipelines.
  - Created interactive **Power BI dashboards** and performed **EDA** to generate actionable insights.
  - Performed SQL-based data extraction and automated repetitive cleaning tasks using Python, improving data processing speed.

KEY PROJECTS:

- **Movie Recommendation Engine** | Python Development:
  - Built a content-based movie recommendation engine using **TF-IDF vectorization** and **cosine similarity**.
  - Processed **8,800+ Netflix titles** to generate top **5 real-time movie recommendations.**
  - Tech: **Python, Pandas, NumPy, Scikit-learn, NLTK**
  - GitHub: https://github.com/tarak-muthaluru/Netflix-Dataset-Exploration-Trends-Genres-and-Content-Insights

- **Retail Sales Performance Dashboard** | Power BI Project:
  - Built an interactive Power BI dashboard for Superstore data with KPIs, regional trends, profit insights, and customer segmentation using DAX and drill-down analytics.
  - Improved reporting efficiency by 70% through automated visuals, slicers, and dynamic metric calculations.
  - Tools: **Power BI, DAX, Power Query**
  - GitHub: https://github.com/tarak-muthaluru/Retail-Sales-Performance-Customer-Insights-Dashboard

EDUCATION:

- **Bachelor of Technology (ECE)**
  Nehru Institute of Engineering and Technology, Coimbatore **(2020–2024)**
  CGPA: **7.8/10**

- **Intermediate (MPC)**
  Narayana Junior College, Nellore, Andhra Pradesh **(2018–2020)**
  CGPA: **9.3/10**

CERTIFICATIONS:

- Data Science – **CedLearn Institute**
- Introduction to Data Science, Machine Learning & Data Visualization – **Infosys Springboard**
- Python Essentials 1 & 2 – **Cisco Networking Academy**

Languages: English, Telugu | Availability: Immediate | Open to Relocate