Shashank Ganji

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PROFESSIONAL SUMMARY

I am an analytical professional with technical knowledge and critical thinking skills, leveraging my 2 years of work experience in Analytics and client engagement.

Education

Masters in Computer Science August 2023 – May 2025
Arizona State University *Tempe, Arizona*
Courses: Semantic Web Mining, Data Processing at Scale, Foundations of Algorithms

Bachelor and Master of Technology in Electrical Engineering August 2016 – May 2021
National Institute of Technology (NIT) Rourkela, GPA: 7.23/10 *Odisha, India*

Technical Skills

Languages: Python, C/C++, SQL
Database: MySQL, Snowflake, PostgreSQL
Developer Tools: GitHub, Visual Studio Code, Jupyter
Data Analytics: ThoughtSpot, Power BI, Tableau
Data Engineering: Data Warehousing, Data Management
Data Science: Pandas, NumPy, scikit-learn, Machine Learning, Linear Programming, Prompt Engineering
Soft Skills: FMCG (Supply Chain, Marketing), Client Engagement

Experience

Tata Insights and Quants Bangalore, India
Assistant Manager-Analyst *July 2021 – July 2023*

- Developed Spice Blending Optimization Tool and deployed on AWS, reducing production cost by approximately **1 Rupee/Kg** using **Linear Programming**. **Tech Stack: AWS, Python, Jupyter, Pandas, Pyomo.**
- Led the creation of data pipelines and dynamic dashboards, migrating essential MIS reports from Excel to a centralized data system using advanced Database and Data Visualization tools. **Tech Stack: Snowflake, ThoughtSpot, Jupyter, Apache-Spark**
- Utilized 'Nielsen' and 'Kantar' data to craft comprehensive Market Share Analysis, monitoring value-volume sales and household penetration trends. **Tech Stack: Power BI.**
- Engineered a robust Data Quality system for SAP-based Master Data, establishing standard KPIs to ensure data excellence encompassing uniqueness, completeness, and correctness for master data. **Tech Stack: Python, PostgreSQL**

Projects

Password Strength Classification Using NLP and Machine Learning | *Python, Natural Language Processing*

- Developed a robust model to predict password strength (strong, weak, or average) based on user input, enhancing security for sign-up processes.
- Utilized NLP and machine learning techniques for data analysis and modeling, ensuring accurate password categorization. Achieved around 80% Accuracy

Airline Passenger Data Analysis and Predictive Modeling | *Python, Machine Learning*

- Employed data analysis, wrangling, preprocessing, and machine learning techniques. Achieved 82% Accuracy
- Predicted travel outcomes and enhanced decision-making.

Extra Academic Activities

- KPMG Virtual Internship - Forage: Engaged in Data Management, Visualization, and Analytics for client dataset. Delivered innovative solutions and insights. **Tech Stack: Python, Power BI**