**VARSHINI THOTA**

**Professional Snapshot:**

* With 8 months of experience in the Tech domain, I have gained strong expertise in Python, SQL Server, Looker, DBT, Snowflake, Web Frameworks and various GCP services.
* Utilized Python scripting for data processing and used Pandas & SQLAlchemy for data manipulation and database interactions.
* Good knowledge on building Power BI dashboards.
* Skilled in writing SQL queries for efficient data retrieval, analysis, manipulation and database management.
* Got practical experience with Snowflake and BigQuery, cloud data warehouses that efficiently manage large-scale data and enable data warehousing and analytics.
* Gained deeper insights into Snowflake compared to BigQuery due to its specialized features like data change capture, streams, time travel, which enhance historical data management.
* Gained experience in transformations and testing using an ELT tool like DBT by integrating with cloud data warehouses such as Snowflake.
* Adept at working with Google Cloud Platform (GCP) and gained experience with various services like Cloud Composer, Cloud Storage and BigQuery.
* Got Hands-on experience with Looker, utilized LookML to build data models and created interactive dashboards for data analysis and data visualization by integrating with bigquery.
* Worked with various web frameworks like Django, FastAPI and Flask for building APIs with authentication mechanism, integrated them with PostgreSQL for backend database processing.
* Passionate about learning new technologies to expand my knowledge and enthusiastic about effective communication and teamwork.

**Technical Skillset:**

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| Cloud | Azure, Google Cloud |
| Data Analytics Tool | Power BI, Looker |
| Scripting | Python 3.x |
| Cloud data Warehouses | Snowflake |
| Development Tools | DBT (Data Build Tool), ADF |
| Web Frameworks | Django, FastAPI, Flask |
| Databases | MS SQL Server |

**Project**

**Title:** **Unlocking Placement Success.**

**Environment:** **Python libraries, Visualization libraries, Machine Learning algorithms, Flask**

**Synopsis:** Campus placement data comprises information about students, their academic performance, skills, internships and their eventual placement outcomes. The objective is to extract valuable insights from this data to understand factors influencing placement success and develop strategies for improving the placement process by identifying patterns and trends in campus placement data using machine learning techniques.

**Deliverables:**

* Created various data visualizations to gain insights from data and develop strategies for improving placements success in college.
* Built a classification model to predict whether a person is placed or not using various classification algorithms like Logistic Regression, Random Forest, Support Vector Classification, and Decision Tree.
* Utilized Grid Search CV (Cross Validation) to systematically evaluate and select the best-performing model by tuning hyperparameters, ensuring optimal accuracy and efficiency for the classification task.
* Created a website by integrating the model with Flask using the pickling method for seamless deployment.
* Offered features for students and institutions including Resume Score Analysis, Placement Prediction, Carrer Guidance and College Placement Statistics.