Shivani Dandir
5202703879 | shivanidandir17@gmail.com | linkedin.com/in/shivanidandir

EDUCATION

Master of Science in Management Information Systems (MIS)　　　　　　　Dec 2022
Eller College of Management, University of Arizona, Tucson, AZ, USA　　　　　　GPA 3.7
Database Management, Data Mining, Business Intelligence & Data Warehouse, Big Data Technologies, Data Visualization

Bachelor of Engineering in Information Technology (IT)　　　　　　　　　May 2019
Maharashtra Institute of Technology College of Engineering, Pune, MH, India　　　　GPA 3.7

WORK EXPERIENCE

Graduate Assistant, Data Engineer | University Analytics Institutional Research　　Aug 2021– Present
- Created 20 reporting dashboards in Tableau for administrative data to provide insights to university business teams including the senior leadership, enhanced the existing dashboards using creative approach
- Analyzed KPI in Oracle Business Intelligence (OBIEE) for financial, research, employee, and learning domains
- Developed a self-serving ETL pipeline that transforms data, cleans it, and feeds it to the dashboard for visualization

Business Intelligence Engineer Intern | Amazon　　　　　　　　　May 2022 – Aug 2022
- Created 5 enhanced metrics to evaluate consumer engagement for Alexa app using SQL queries & Tableau
- Translated business needs into data, created weekly/monthly business reviews for Alexa App using ETL in Redshift
- Optimized existing SQL codes using data aggregation which resulted in saving resources by 30% per execution
- Worked with product & engineering team to build efficient, reliable, & scalable data pipelines on large dataset (500TB+)
- Analyzed key data problems to optimize reports and installed data quality validations to accurately report data
- Dealt with a degree of ambiguity and developed quick proof of concepts; created 15 Tableau dashboards

Graduate Consultant | Eller Business Consulting | Samsung　　　　　　　Jan 2022 – May 2022
- Researched key areas to find business solutions, used hypothesis driven approach after problem breakdown
- Collaborated with stakeholders & executives to frame a story around business cases to present it to C-suite
- Designed a product recommendation to increase 20% revenue by customer & industry research on focused group

Business Technology Analyst | Deloitte Consulting　　　　　　　　　Dec 2019 – Jul 2022
- Managed 2 modules, data collection & correspondence, independently in highest revenue-generating public sector agile project, collaborated with 150+ practitioners, generated $200k+ in revenue and managed 3 interns
- Analyzed key issues provided data fixes in SQL, impacted 1M+ cases in production; worked in cross functional team
- Reduced team efforts up to 20 hours/week by developing JIRA Dashboards to enable time and usage tracking
- Devised Batch Report Automation Macro using Excel & SQL for performance optimization, saving 120+ hours/week
- Enhanced the time of fetching the data by using advanced SQL queries; data integrations and transformations

SKILLS

- **Languages and Databases**: Python, SQL, JAVA, R, Spark, Scala, Hive, NoSQL, PLSQL, Oracle
- **Tools and Services**: Tableau, Git, PowerBI, RedShift, AWS EC2, AWS S3, AWS DynamoDB, Glue, Lambda, Airflow
- **Frameworks and Libraries**: Pandas, NumPy, Scikit-Learn, TensorFlow, Keras, NLTK
- **Additional Skills** :Performance tuning, ETL, Data modeling, Data pipeline, Data standards and policies, Reporting and analysis, Data architecture, Analysis, Validation, Optimization, Technical documents and Design documentation
- **Professional Skills**: Excellent communication, Problem solving, Analytical and critical thinking, Creative approach

ACADEMIC EXPERIENCE

Data Scientist | Independent Study　　　　　**Python | Machine Learning**　　　　May 2022
- Evaluated machine learning models (DeepSpeech, coqui) to transcribe audio of children with Down Syndrome
- Scripted extraction and splitting code in Python and linux to feed it to the deep learning models for transformation.
- Processed 100GB+ real-time audio data in python to remove noise, reported the results for further research

Data Engineer | Business Intelligence & Data Warehouse　　**Oracle | SQL | Tableau | ETL**　　Mar 2022
- Created an ETL data pipeline in MySQL server management studio to normalise the data extracted from cdc.org
- Transformed the data by normalization and aggregation, loaded the data in star schema in Visual Studio
- Analyzed the data through exploratory analysis in Tableau; presented insights for improvement in healthcare
- Lead a team of 4 - scheduling scrum meetings, sprint planning, setting deadlines, implemented agile methodolgy
- Conduct requirements gathering and project scoping sessions with subject matter experts

Data Architect | Enterprise Database Management　　**Oracle | JAVA | AWS | MS Visio**　　Nov 2021
- Created a Data Model and architecture for a food delivery app, after gathering requirements, and mapping relations
- Devised data manipulation language(DML) in SQL for retrieving data to be displayed on the front-end
- Designed relational database, ER diagram, normalized the database, performed ETL, created procedures in PLSQL

Data Engineer | Traffic Dataset Analysis　　**SQL | Python | Excel | Tableau |ETL**　　Aug 2021
- Analyzed Estonia traffic dataset containing large volume of data (5M rows) as part of data analytics challenge
- Cleaned and processed the data to analyze accidents caused by intoxication by exploratory analysis
- Visualized data in Tableau to generate insights and provided a solution to change the patrolling schedule

Data Scientist | Identifying racist/sexist Tweets　　**Python | NLP | ETL | Deep Learning**　　July 2019
- Cleaned data by parsing and tokenizing 50,000+ tweets then visualized in WordCloud format
- Used bag of words & TF-IDF models with Naïve Bayes classifier to determine the nature of tweets