# Devi Varaprasad Abdas

# Sterling Heights, MI

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# PROFESSIONAL EXPERIENCE

# Data Analyst with over 5 years of experience in Data Modeling, Data Mining, and Data Warehousing.

# Proficient in all phases of the Software Development Life Cycle (SDLC) with expertise in requirements analysis, documentation, and testing.

# Strong experience in Data Warehousing, Data Marts, Data Analysis, and Data Modeling on RDBMS databases.

# Skilled in AWS Cloud services, including EC2, VPC, ELB, AMI, SNS, RDS, Route53, Auto Scaling, IAM, and S3.

# Experienced in creating IAM policies, roles, and user management for access control in AWS.

# Expertise in writing Terraform scripts for resource configuration across multiple environments.

# Experienced in implementing security tools like SAST, DAST, and infrastructure scanning.

# Proficient in Base SAS, SAS/Stat, SAS/Access, SAS/Graphs, SAS/Macros, SAS/ODS, and SAS/SQL on Windows.

# Strong skills in troubleshooting SQL queries and ETL processes for data warehousing solutions.

# EDUCATION

# Masters in Computer Science May 2024

University of Findlay, Findlay, OH

# Bachelor of Science in Computer Science September 2020

# Hyderabad, Telangana, India

COMPUTER/ TECHNICAL SKILLS

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| **Big Data** | Oozie, HDFS, MongoDB, Map Reduce, Cassandra, Spark, Sqoop, Kafka, HortonWorks |
| **DevOps Tools** | Github, Gitlab, Git, Visual studio code, Jenkins, Github Actions, SonarQube, Tflint, tfsec, jira, confluence, agile methodology, gitflow methodology |
| **Database** | Oracle 8i/9i, SQL Server 2003/2008, MySQL 5.0. |
| **ETL Tools** | Informatica, SSIS, DataStage, Ab Initio |
| **Operating System** | Windows, Linux. |
| **Languages** | Python, R, SQL, PL/SQL, Unix Shell Scripts |
| **Data Modeling** | Erwin, SAS, Power BI |

RELEVANT EXPERIENCE

**Research Assistant**  March 2022 – May 2023

University of Findlay, Findlay, OH

* Working on Aspect based sentiment analysis in legal domain. (Writing paper to publish on this).
* Predicting the sentiment of opinions of rule passed in legal domains and used ML, NLP, PowerBi, Tableau.
* Worked on techniques like back propagation, data augmentation and data masking.
* Worked on information retrieval of case law data and managed in writing a legal dataset.
* Scripted codes in Python using Numpy, sklearn, Pandas and Pyplot libraries.
* Worked on Visualization tools like Tableau and Power Bi for visualizing results.
* Experience in working in Machine Learning models.
* Created S3 bucket and glacier in AWS cloud to store the backup files, snapshots, and wrote policies to provide access to the data stored in S3 buckets.
* Experience in Open Telemetry Python SDK to collect and generate application data for creating metrics and logs.
* Maintained CSS and HTML, XSL, XSLT, JAVA SCRIPT, JSF, Angular JS, for designing Webpages.

**Data Analyst** Dec. 2019 – Dec. 2021

Pivotal Technology**,** India

* Created and analyzed business requirements for technical data solutions.
* Identified integration impacts, data flows, and data stewardship needs.
* Designed new data constraints and reused existing ones.
* Developed data dictionaries, ETL mappings, metadata, DDL, DML, and other documentation.
* Led JAD sessions as the primary modeler to expand and develop databases.
* Enhanced data models to align with business requirements.
* Generated and executed SQL scripts for database updates, indexing, and stored procedures.
* Consolidated and updated data models through reverse and forward engineering.
* Analyzed and resolved discrepancies across multiple database environments.
* Developed complex data models using DAX for advanced reporting.
* Proficient in data visualization tools like Power BI and QlikView for interactive analysis.
* Skilled in data cleaning, preparation, and storytelling to ensure data quality and drive insights.

**Data Engineer**  Dec. 2017 – Oct. 2019

MERCO GROUP, India

* Participated in requirement gathering sessions with business users to document business needs.
* Built data visualizations and cross-functional reports to highlight key metrics and trends.
* Profiled source data to assess consistency, data types, and sizes.
* Designed SSIS packages for data import/export between SQL Server and other sources.
* Performed data analysis using tools like Tableau, Spotfire, and SharePoint for insights.
* Created DDL scripts and designed Star and Snowflake Data Models using ERWIN.
* Collaborated with DBAs to create physical models and implement data models.
* Configured Azure services for web applications and business intelligence solutions.
* Worked with ETL teams on data loading and mapping processes.
* Provided weekly reports and visualizations on operational data using Tableau and Excel.
* Developed Source-to-Target (S2T) mapping documents for data analysis.
* Conducted data analysis and profiling using SQL on systems like Oracle and Teradata.