

Shiva Manhar

AWS Data Engineer

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PROFILE SUMMARY

- **Masters in Computer Application** professional offering **10 years** of experience in **Database Administration and 4 Years of Experience in Data Engineer.**
- **9 Years' experience using and deep knowledge of MySQL, MariaDB, PostgreSQL Database.**
- **4 Years' experience as AWS Data Engineer.**
- I also have experience with **AWS, EC2, S3, Glue, Redshift, Python, PySpark, Pandas, Numpy, Matplotlib.**
- Developed and implemented data pipelines for agricultural data, transforming poor-quality data into useful, high-quality information.
- A complete data pipeline was created by me to find potential customers.
- Hands-on experience in data extraction, corrupt record handling, transformation, and load.
- Good understanding of **Spark Architecture** with **Databricks.**
- Hands-on experience with Databricks.
- Advanced and updated knowledge of database security, backup, recovery, and performance of monitoring standards.
- Having experience of running **own organization.**
- Also, have a wide experience in working **Govt., Private** as well self-owned organization.

EDUCATION

Masters in Computer Application from Pt. Ravishankar Shukla University, Raipur (C.G.), India in 2012

Bachelors in Computer Application from Guru Ghasidas University, Bilaspur (C.G.), India in 2009

SKILLS

Programming Languages: Python [5 Years]

Database: MySQL [9 Years], MariaDB [9 Years], PostgreSQL

Data Engineer: NoSQL, SQL, ETL, PySpark [4 Years], Redshift, Glue

Machine Learning: TensorFlow, Keras, scikit-learn, OpenCV, PyTorch, NumPy, pandas

Visualization: Matplotlib, Seaborn, Bokeh

EXPERIENCE

BS Fintech Private Limited, Bangalore as Data Engineer

February 2023 – December 2023

Project Name: BankSathi

Duties:

- Engineered a data pipeline using AWS S3 and PySpark to extract data of potential customers for credit cards, bank accounts, and loans.
- Designed the data pipeline architecture for a top financial advisor every month.

- Optimize database systems for performance efficiency.
- Perform space management and capacity planning for database systems.
- Creating complex functions, scripts, stored procedures, and triggers to support application development.
- Perform data back-up and archival on regular basis.
- Using Services (S3,RDS, AWS Glue, Redshift, Glue, Python, PySpark, EC2 and SQL)
- Database using MySQL
- Big data technologies PySpark

National Informatics Centre Services Inc. (NICSI), Raipur as Data Engineer

April 2019 – January 2023

Department Name: Agriculture

Project Name: RGKNY, Agrilicense

Duties:

- I created a pipeline to consolidate data from the Food Department, Land Records Department, and Agriculture Department based on certain conditions. This resulted in useful for transfer of funds into the accounts of farmers.
- Prepared data to distribute the amount of 28,000 crores under the CG Government's RJKNY scheme among 2,500,000 farmers.
- Build scalable databases capable of ETL processes using AWS Glue, SQL, Redshift and PySpark.
- Develop Spark applications using PySpark and Spark SQL for data extraction, transformation, and aggregation from multiple file formats, enabling analysis and transformation of the data.
- Prepared various types of reports for the CG Government related to the RGKNY scheme.
- Point-in-time-Recovery, Physical and logical backup, Incremental Backup and Restore using Percona XtraBackup, Users and Privileges Management
- Administration of the database including performance monitoring and testing.
- Developed and created ER diagram, views, index, stored procedures and functions.
- Involved in the design of Physical Database schema, data modeling and performance tuning.
- Monitoring of database size and disk space in Production Environment.
- Using Services (S3,RDS, AWS Glue, Redshift, Glue, Lambda, Python, EC2 and SQL)
- Writing complex queries for SELECT, UPDATE, and DELETE in Redshift.
- Performing ETL using Redshift federated queries.
- Using **Pandas and Numpy** for data Analysis.
- Version Controlling Tool : **Git**

Ootaboo Pvt. Ltd., Raipur as Full Stack Developer

May 2015 – March 2019

Duties: Developed web-based scheduling platform, also prepared data reports based on the criteria

Orbit Plus, Raipur as Full Stack Developer

May 2014 – April 2015

Duties: Website Development, Written SQL, ER Design, Teaching and Training

Pt. Ravishankar Shukla University, Raipur as Assistant Professor

Sept 2013 - April 2014

Duties: Teaching and Programming training

Publication

R.D. Nirala, Shiva Manhar- "Visual Improvement for Dense Foggy & Hazy Weather Images, using Contrast Enhancement Techniques", ISST Journal of Electrical & Electronics Engineering Vol. 7 No. 1 Jan-June 2016 pp 53-62. ISSN 0976-7363

Personal Details

Date of Birth: 21-09-1986

Languages Known: English & Hindi

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