

## Contact

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## Top Skills

Artificial Intelligence (AI)  
AI Agents  
Model Management

## Languages

Hindi  
English

## Certifications

PGDDS Course 1&2  
Teradata 14 Certified Professional  
AWS Technical Professional  
PGDDS Course 3 (Predictive Analytics 1)

# Rohit Agrawal

Senior Software Engineer at OakNorth | Python Developer | Azure cloud | Microservices  
Hyderabad, Telangana, India

## Summary

8.5+ years experienced Software Engineer with a demonstrated history of working in the information technology and services industry. Skilled in Object Oriented Design, Python, R, SQL, AWS, and microservices in agile methodology in industry expertise such as fintech, data warehouse product-based industry.

## Experience

### OakNorth

Senior Software Engineer  
June 2021 - Present (4 years 9 months)  
Hyderabad, Telangana, India

#### Credit Memo Suite:

- Designed Open-API Schema for multiple REST APIs for Credit Memo, Legal Entity, Loan, Documents etc.
- Designed and developed DB model schema and created tables in Postgres using alembic migration.
- Developed backend endpoints and it's functionality for REST APIs to run in backend microservice using TDD.
- Written unit tests, pact tests and functionality tests.

#### Medusa and OakNorth Scenarios Industry Forecast:

- Designed and developed OakNorth Scenario module which analyse different scenarios and provides scenarios insights to different APIs for consumption.
- Developed OakNorth industry forecast module which provides forecast revenue, key operating costs, working capital and capex.

#### OakNorth Credit Intelligence Suite:

- Designed and developed backend microservice using Python 3.x, GraphQL, Postgres SQL which is running inside Kubernetes cluster hosted on AWS.

- Designed Peer Analysis functionality which fetched data through different APIs like Elastic Search, Data Platform APIs and provide analysis among peers.
- Developed multiple endpoints for frontend microservice to provide all the analytical data for better user experience and faster performance.
- Created Benchmarking borrower performance module which compares borrower performance vs. companies with similar business models and scale.

## Teradata

7 years

### Software Developer

January 2017 - June 2021 (4 years 6 months)

Hyderabad Area, India

Providing features in Python and R language which are offered by Teradata Vantage Ecosystem to the clients. User just need to import the Python/R library (teradataml / tdplyr) and they can use all features which are available in Teradata Vantage.

Feature designing (high level and low level):

- Worked on features designing in python and R like FastLoad, FastExport, NOS, Model Cataloging, and several data manipulation features.

Feature development:

- Developed/upgraded Python (teradataml)/R (tdplyr) functions to access data from Teradata Vantage, functions for data manipulation etc.
- Developed methods to use Teradata specific features like NOS, Geospatial, FastLoad, FastExport etc.
- Developed MLE (machine learning engine) and VAL (Vantage analytics library) analytic functions for scoring, testing the models.
- Worked on Model Catalog features which saves model information along with the associated objects, to reuse them later.
- Worked on Script table operator (STO) feature where user can test their installation scripts in Docker sandbox containers, install their scripts in Teradata Vantage.

- Written unit test cases and end to end test cases of the functions which we are exposing to the customers (Data Scientists)

#### Documentation:

- In the internal user guide documented about the features which I have worked on it

### DevOps Engineer

August 2015 - January 2017 (1 year 6 months)

Hyderabad Area, India

- Teradata Vantage is an analytics platform which is built on dockerized Kubernetes Environment
- Jenkins pipeline build the code and create docker containers using gradle tools and the multiple Kubernetes & Linux nodes are deployed on VMWare
- The pipeline installs the dockerized container on linux nodes and perform Sanity, Functional test and System Integration tests.
- If any issues are there pipeline open Jira task for the developer

### software engineer

July 2014 - August 2015 (1 year 2 months)

Hyderabad , India

- Developed a RTOC (real time operation centre) tool which monitors Data Centre Servers Usage by using Monitoring Agent and visualizing using dashboard built on Grafana
- Monitoring Agent is developed using python which uses Teradata listener to access real time data.

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## Education

International Institute of Information Technology Bangalore

PG Diploma, Data Science · (2018 - 2019)

Rajiv Gandhi Prodyogiki Vishwavidyalaya

Bachelor of Engineering (B.E.), Electrical, Electronic and Communications

Engineering Technology/Technician · (2009 - 2013)

vector india hyderabad

embedded system, C , C++ , Data Structure, Linux, TCP IP socket  
programming, shell scripting, 8051, 8086, embedded C · (2014 - 2014)

### City Central H.S. School

intermediate and schooling, science · (1995 - 2008)