

Ms. RADHA BHUSHANWAR

Python -Data Scientist

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CARRIER OBJECTIVE

I would like to introduce myself as an Experienced **Data Science** professional with a vision to improve my effective **leadership** and **interpersonal skills** seeking for the position of **Data Scientist** in a well recognized and data-driven organization. Further, I attribute myself as a highly analytical individual with strong apt for learning and collaborative skills with Endeavour to enhance my knowledge and skill sets with proper guidance.

PROFESSIONAL SUMMARY

Python Programming | Machine Learning Automisation | Django REST framework | Data science | SQL | ETL | BI | Cloud EC2 server | Data Set Atomization

Technical Qualification Headlines

Currently working as a '**Python Data Scientist**' for Data Visualization Catalogue with client Lowe's, Canada

Core Libraries worked: **Matplotlib | Numpy | Pandas | Scikit Learn | Tensorflow | Seaborn | Keras | Scipy**

Python Etl – Spark | BI Tool used - Tableau | Frame work involvement : Django rest | Web scrapping Libraries : BeautifulSoup 4 | Unstructured DB – Mongo DB

Process worked with – **DevOps—CI/CD pipeline , Agile , Waterfall**

Machine learning Algorithm Work exp : **Linear Regression , Logistic Regression, k-means , KNN, Naïve Bayes, Mean , median , mode**

Machine learning Algorithm Strong Understanding : Random forest | NLP | Principal Component Analysis | Decision Tree | Support Vector Machine | XG Boost

Software programming Language Proficiency : **Python | Java | c++ | JavaScript | CSS | HTML | Bootstrap | jQuery**

Programming Experience: **ETL – Python | Machine learning – Python | Business Intelligence**

Strong area : **Python , SQL , Unix , Data Analytics – Etl , Algorithm (Machine Learning) , Artificial Intelligence**

Domain / System / Component Type worked with : **Payment , E- Commerce and Telecom**

Python ** Advanced Python Django** Webservice- REST** Flask **Fullstack** Pycharm ** ORM- Object relational Mapping **SQLAlchemy** Pytest ** Logging ** Multithreading ** SQL** etl/dwh **Unix ** Git ** JENKINS ** Postman ** Agile and Waterfall**

EXPERIENCE SUMMARY

- Overall 2 Years of experience in software **design, development, implementation, and Unit testing** using Python, ETL, AI and Django Technologies.
- Leveraged 200M+ tweets to develop sentiment analysis model that helped improve sales and marketing strategies.
- Used Python and Spark to scrape, clean, and analyze large datasets.
- Helped build tools for detecting botnets with machine learning and data mining.

- Expertise in full life cycle of Python Application Developments, Including **Analysis, Requirements Gathering, Design, Development, Implementation, Maintenance and Enhancements.**
- Coordinate with all business analysts and application architects to maintain knowledge on all functional requirements and ensure compliance to all architecture standards.
- Transformed raw data into MySQL with custom-made ETL application to prepare unruly data for machine learning.
- Worked closely with System analysts, engineers, programmers, business stakeholders to design system and to obtain information on project limitations and capabilities performance requirements and interfaces.
- Experience in implementing complete Software Development Life Cycle - **SDLC** for various applications including Analysis, Design, Development, Implementation and Testing.
- Comprehensive knowledge and experience in etl/Datawarehousing methodologies such as normalization/de-normalization, data extraction, data cleansing and data manipulation.
- Hands on experience in developing client/server, multi-tier and web-based applications.
- Experience in implementing data analysis with various analytic tools, such as Anaconda Jupiter Notebook
- Good working experience with Core Python, Django, Web Services with DRF(Django rest framework), MVC, JSON, Pytest, logging, SQL Alchemy(ORM), HTML, Design Patterns
- Experienced with **machine learning algorithm such as logistic regression, linear regression**, k-means ,KNN,Naïve Bayes
- Strong knowledge Data science /Machine learning libraries : Numpy ,Pandas
- Used **GITHUB** to deployment of code
- Good working experience in :
 - application development using IDE's like Pycharm
 - deployment and release of the application with test cases using **Pytest** and application logging using the **Logging**.
 - **OOP's Object Oriented Programming** like Python
 - open source frameworks like **Django** and **Flask**
 - **JSON based REST Web services and Amazon Web Services(AWS).**
 - **Sub Queries, Stored Procedures, Triggers, Cursors, and Functions** on Oracle database.
 - **Agile Scrum** and Waterfall Methodologies,
- Ability to quickly adapt to new environments and learn new technologies.
- Good team player with excellent work history as regards with work ethics, dependability and willingness to go an extra mile.

TECHNICAL SKILLS

Overall 2 years of experience in Analysis, Design, and Testing of 3-tier and n-tier component based applications using Core Python, , Django Rest Framework, Django, Flask, JSON, HTML.

- Machine Learning:- Logistics Regression, Linear Regression, K-means
- Analytic/Predictive modeling Tools:- Jupiter ,Anaconda
- Visualization Tools :- Tableau, Python – Matplotlib
- Etl :- Pyetl
- Programming Language :- Python, SQL, C++,Java
- Tools :- SQL Developer
- Web Designing :- HTML, CSS, Javascript
- Web server :- WSGI, Apache.
- Database Skills :- MySQL , Oracle.
- Versioning Tools :- GIT
- Build Tools :- Pybuilder
- RDBMS :- Oracle 10 g
- Unstructure database :- Mongo DB
- Continuous Integration Tool :- Jenkins
- Data Modeling Tools :- Oracle Designer,
- Framework Software :- Django, Flask
- Defect Reporting Tool :- HPALM

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| ➤ Web Service | :- REST –JSON, DRF (Django Rest Framework) |
| ➤ Development Tools | :- Pycharm, Notepad ++ |
| ➤ OS and Networking | :- Windows XP, Windows 10, Ubuntu/Linux 18.2 |

PROFESSIONAL EXPERIENCE SUMMARY

Currently working as a **Python Data scientist** with **Tech Mahindra, Pune** since May 2019 to till date.

Project-Sequence 1

Project Title: Intelligent Analytical Grid

System/Component: Payment, E- commerce, CRM

Technology: Python , ETL ,Django Rest, Pandas

Role – Python Data scientist

Important Modules:

- Sales Analytics ,Data Repository collection ,Customer Behavior Analytics ,Marketing Performance analysis
- Conversion Optimization ,Product analytics

Roles and Responsibilities:

- Involved in requirement analysis, design, estimation and testing of the assigned tasks in open stack with BA.
- Interpreting data, analyzing results using statistical techniques.
- Developing and implementing data analyses, data collection systems and other strategies that optimize statistical efficiency and quality.
- Design python script wrt to ensure functionalities meets customer requirements.
- Acquiring data from primary or secondary data sources and maintaining databases.
- Work with stakeholders to determine how to use business data for valuable business solutions.
- Search for ways to get new data sources and assess their accuracy.
- Browse and analyze enterprise databases to simplify and improve product development, marketing techniques, and business processes.
- Create custom data models and algorithms.
- Use predictive models to improve customer experience, ad targeting, revenue generation, and more.
- Develop the organization's test model quality and A/B testing framework.
- Coordinate with various technical/functional teams to implement models and monitor results.
- Develop processes, techniques, and tools to analyze and monitor model performance while ensuring data accuracy.

Project-Sequence 2

Project Name : Integrated Virtual Terminal

System/Component: Payment System, Telecom BSS

Technology: Python , Django , Oracle ,GIT ,SVN ,Rest – Web service ,Pandas ,ETL,Statistical Analysis

Roles: Python Data analyst

Roles and Responsibilities:

- Understand and analyze customer requirements and business logic .
- Built multifunction readmission reports using python pandas and Django frame work.
- Involved in preparing low level design of application .
- To take part in software and architectural development activities.
- Involved in designing and preparation of call flows with usability services.
- Perform data exploratory analysis using Matplotlib,Collected historical data and third party data from different data source.

- Improved Operation activities. Used Linear & Logistic Regression, Perform data cleansing, data imputation and data preparation using Scikit Learn and Numpy.
- Conduct software analysis, programming, Unit and White box testing and debugging.
- Support continuous improvement, Investigating alternatives and technologies, presenting for architectural review.
- Managing Python application development, Develop, test, implement and maintain application software.
- Validated already developed python reports. Fixed the identified bugs and re-deployed the same.
- Recommend changes to improve established python application processes, Develop technical designs for application development.
- Develop application code for python programs, Involved in client interaction to sort out the Requirement issue.
- **Create the Reporting and share with top management.**

[Project sequence-3](#)

Project Name : E2E BSS

System/Component: Telecom BSS, Siebel CRM

Technology :Python , Django , Oracle ,GIT ,SVN ,Rest – Webservice ,Pandas ,ETL,Statistical Analysis

Roles : Python Data analyst

Roles and Responsibilities:

- Understand and analyze customer requirements and business logic .
- Built multifunction readmission reports using **python pandas** and Django frame work.
- Involved in preparing low level design of application, to take part in software and architectural development activities.
- Involved in designing and preparation of call flows with usability services.
- Perform data exploratory analysis using **Matplotlib**.
- Collected historical data and third party data from different data source.
- Improved operational activities. Used Linear & Logistic Regression.
- Perform data cleansing, data imputation and data preparation using **ScikitLearn** and **Numpy**.
- Conduct software analysis, programming and White box testing and debugging.
- Identifying production and non-production application issues.
- Ensuring designs comply with specifications, transforming requirements into stipulations.
- Support continuous improvement, investigating alternatives and technologies, presenting for architectural review.
- Managing Python application development ,develop, test, implement and maintain application software.
- Validated already developed python reports. Fixed the identified bugs and re-deployed the same.
- Recommend changes to improve established python application processes.
- Developed technical designs for application development.
- Developed application code for python programs,Involved in client interaction to sort out the Requirement issue.
- Creating the report and sharing with top management.

Location: **PUNE**

Date: **11-06-2021**