 

Rahul Gaddam, Data Scientist –Python, Tech Mahindra, Pune

Organization URL: https:[//w](http://www.techmahindra.com/)w[w.techmahindra.com/](http://www.techmahindra.com/)

**Web communication**: Rahulgaddam17@gmail.com **Voice:** +91 9834403494

# Strong Programming Experience Area:

# Python |Apache Airflow – Py ETL | Tableau- Business Intelligence |Machine Learning | Data science |

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

Cloud Environment worked with: **AWS EC2 Server**

**Python Programming | Complex Data set Atomization Using Machine Learning Algorithm |Data science | SQL |ETL|**

**Process Involved In : DevOps –CI CD Pipe line | Waterfall | Agile**

**Professional Objective**

A challenging carrier as **Data scientist** where **Python Machine Learning** skills can be effectively used and upgraded.

**Data Scientist** with strong math background and 2 years of experience using **predictive modeling, data processing, and data mining algorithms** to solve challenging business problems. Involved in Python open source community and passionate about deep reinforcement learning.

Looking for a challenging career in the field of IT-Software especially **Data scientist +Python Programming** where my Strong a sql and Unix knowledge and experience in Programming Concepts and Methodologies in Software Development are shared and with Development encouraged.

**Programming Experience Headlines**

Currently working as a **’Python Data Scientist’** for **Intelligent Analytical Grid** with client Lowe’s, Canada

.

**Important Core Libraries worked:**

**Matplotlib | Numpy | Pandas | Scikit Learn | Tensorflow |Seaborn |Keras |**|Scipy

**Python Etl** – Apache Airflow **| BI Tool used - Tableau | Frame work involvement: Django rest |Web scrapping Libraries: Beautiful Soup 4 |Unstructured DB – Mongo DB**

Process worked with – **DevOps + Agile + Waterfall model**

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 script | CSS | html |

Technical Qualification area : Python , SQL , Unix , Data Analytics –Etl , Algorithm ( Machine Learning ) ,Artificial Intelligence Python \*\* Advanced Python\*\* Django\*\*Full stack\*\* Pycharm \*\* ORM- Object relational Mapping \*\*SQL Alchemy\*\* Pytest \*\* Logging \*\* Multithreading \*\* SQL\*\* etl/dwh \*\*Unix \*\* Git \*\* JENKINS \*\* Postman \*\* Agile and Waterfall

# Technical Summary

* 3 + Years of experience in software **design, development, implementation, and Unit testing** using Python, ETL, AI, ML and Django Rest Technologies.
* Leveraged 200M+ tweets to develop sentiment analysis model that helped improve sales and marketing strategies
* Proficient in Machine Learning algorithm and Predictive Modeling including **Regression Models, Decision Tree, Random Forests, Sentiment Analysis, Naïve Bayes Classifier, SVM, Ensemble Models**.
* Involved in Complex dataset atomization
* Used Python and Apache Airflow 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.**
* Proficient in managing entire data science project life cycle and actively involved in all the phases of project life cycle including **data acquisition, data cleaning, data engineering, features scaling, features engineering, statistical modeling, testing and validation and data visualization.**
* 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
* Role includes Python Development, ERP development, Python Testing, Customer Engagement, Cross-functional team coordination, Product enhancement and development etc.
* Work 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 Testing, Maintenance and Support
* Comprehensive knowledge and experience in etl /Data warehousing 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, MVC, JSON, Pytest, logging, SQLAlchemy (ORM), HTML, Design Patterns

* Experienced with **machine learning algorithm such as logistic regression, linear regression,** k- means ,KNN,Naïve Bayes

# Familiar with JSON based REST Web services and Amazon Web Services (AWS).

* Expertise in **OOP's Object Oriented Programming** like Python
* Experience in writing **Sub Queries, Stored Procedures, Triggers, Cursors, and Function**s on Oracle database.
* Good experience in open source frameworks like **Django** and **Flask**.
* 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
* Experience working in **Agile Scrum** and Waterfall Methodologies, Team player with excellent communication and problem solving skills.
* 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

2+ years of experience in Analysis, Design, and Testing of 3-tier and n-tier component based applications using Core Python, Django, Data Science, JSON, and HTML.

Machine Learning: Logistics Regression, Linear Regression, And K-means Analytic/Predictive modeling Tools: Jupiter, Anaconda

Programming Language - Python, SQL,

Tools: SQL Developer

Web server :- WSGI, Apache.

Database Skills :- MySQL , Oracle.

Versioning Tools :- GIT

Build Tools :- Pybuilder

RDBMS: Oracle 10 g

Unstructured database : Mongo DB

Continuous Integration Tool :- Jenkins Data Modeling Tools: Oracle Designer,

Defect Reporting Tool :- HPALM

Web Service :- REST –JSON, Django

Development Tools :- Pycharm, Notepad ++

OS and Networking :- Windows XP,Windows 10, Ubuntu/Linux 18.2

# Awards and Achievement:

* Awarded with PAT ON BACK from Tech Mahindra for brilliant performance.
* Received Award from client- Pine cellular, USA for extra ordinary performance for successfully delivery of IVT Project

**EDUCATIONAL QUALIFICATION:**

* BSC(Mathematics) and MBA(IT) - Pune University, Pune , Maharashtra

**PROFESSIONAL EXPERIENCE SUMMARY :**

Currently working as a **Python Data scientist** with Tech Mahindra ( https://www.techmahindra.com/ ), Pune since May 2018 to till date.

**Project-Sequence 1**

**Project Title : Intelligent Analytical Grid Client: :** Lowe’s , Canada

System/Component: Payment ,E- commerce ,CRM

Technology : Python , ETL ,Django Rest, Machine Learning

Role – Python Data scientist

# Project Description :

**Lowe’s** Products analytics is the process of gathering data from all areas that have an impact on user online store and using this information to understand the trends and the shift in consumers' behavior to make data-driven decisions that will drive more online sales. Price and stock information about business competitors and where Business are positioned against them price-wise is a very important data point user need to consider if user want to compete in the e-commerce space. Product analysis allows user to

understand which products and product lists are performing, why they’re performing or underperforming, as well as what you can do to optimize sales.Product matrics su as Number of products,Number of active products,Gross Margin,Number of Reviews,Product detail views,Product add to carts,Product removes from cart,Product conversion rate are vital element for business .

Important Modules :

* Sales Analytics ,Data Reprository collection ,Customer Behaviour Analytics ,Marketing Performance analysis
* Conversion Optimization ,Product analytics

# Roles and Responsibilities:

* Involved in requirement analysis, design, estimation and testing of the assigned tasks in openstack 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**

Client : Pine Cellular,USA

System/Component : Payment System, Telecom BSS

Technology : Python , Django , Oracle ,GIT ,SVN ,Rest – Webservice ,Pandas ,etl,Statistical Analysis Roles : Python Data analyst

# Project Detail Description :

IVT are software and servers that transmit Transaction information to Acquiring Banks and responses from Issuing Banks (such as whether a transaction is approved or declined). Essentially, This solution facilitate communication within banks. Security is an integral component of all payment gateways, as sensitive data such as Credit Card Numbers need to be protected from any fraudulent parties. The card associations have created a set of rules and security standards which must be followed by anyone with access to card information including gateways. This set of rules and security standards is called the Payment Card Industry Data Security Standard (PCI-DSS or PCI). Submitting an order is usually completed using HTTPS protocol, which securely communicates personal information through the parties involved in the Transaction. Many

Payment Providers enable Merchants with added options when a cardholder purchases a service or product. Aside from providing the ability for real-time transactions, these providers can help to translate currencies between two parties in different countries, as well as bridge language and payment methods. Payment gateways usually charge those who use them a per transaction fee.

# Roles and Responsibilities:

* Understand and Analyse 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 Matlplotlib,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
* 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,Develop technical designs for application development
* Develop application code for python programs,Involved in client interaction to sort out the Requirement issue
* Used hpalm to Handle Defect management Process ,Implementing a Working Timeline and Deadline Adherence

# Create the Reporting and share with top management

**Project sequence-3**

**Project Name : E2E BSS Client** : Pine Cellular, USA

System/Component : Telecom BSS ,Siebel CRM

Technology : Python , Django , Oracle ,GIT ,SVN ,Rest – Webservice ,Pandas ,etl,Statistical Analysis Roles : Python Data analyst

# Project Detail Description :

**E2E BSS** management is the most complex and growing concern for majority of internet service providers. Some evolutionary internet trends and the rise of mobile technology are the triggers leading to the need of managing internet bandwidth efficiently. With increase in use of mobile devices and availability of internet service at public places, it is not possible to build infinite bandwidth and make internet available for ever- increasing usage. Internet Bandwidth is a limited resource and it has to be managed and judiciously used. Internet Bandwidth management can be done by embedding a solution into the internet access network that can capably control the entire network. The solution should have robust Bandwidth and Quality of service [QoS] management feature that helps internet service providers implement bandwidth control based on usage, services, or as per their customized needs. Also, the solution should support variable bandwidth allocation based on hours/days or data usage to strategically distribute bandwidth as required

# Responsibilities :

* Understand and Analyse 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 Matlplotlib
* 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
* 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
* Develop technical designs for application development
* Develop application code for python programs, Involved in client interaction to sort out the Requirement issue
* Used hpalm to Handle Defect management Process ,Implementing a Working Timeline and Deadline Adherence
* Create the Reporting and share with top management

Father’s Name : Mr .Rahul Manohar Gaddam

**PERSONAL DETAILS:**

Mother’s Name : Mrs. Nirmla Gaddam

Gender : Male

Languages Know : English, Hindi, Marathi.

Date of Birth : 26 – 05 - 1993

Current Address : Pune

Place: - Pune

Date:-

(Rahul Gaddam )