

Roshan Pipare

Professional Objective

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

Technical Summary

- ❖ Overall 3+ Years of experience in software **design, development, implementation** using Python, SQL, ETL, ML Technologies
- ❖ Using NLP develop sentiment analysis model that helped improve sales and marketing strategies
- ❖ 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 SQL server with ETL application to prepare unruly data for machine learning
- ❖ 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
- ❖ Having a experience in Data Preprocessing with Big data technologies- PySpark.
- ❖ Comprehensive knowledge and experience in Etl/Data warehousing methodologies such as normalization/de-normalization, data extraction, data cleansing and data manipulation.
- ❖ Experienced with **machine learning algorithm such as logistic regression, linear regression, decision tree, random forest, k-nearest neighbor, svm algorithms**
- ❖ Understanding of data Science tools, techniques and technologies in Machine learning, NLP using Python, Pandas, Numpy, Matplotlib, Seaborn etc.
- ❖ Having exposure to Cloud technologies like Aws Redshift, Aws S3.
- ❖ Experience in implementing data analysis with various analytic tools, such as Anaconda Jupiter Notebook
- ❖ 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

Technical Skills

Analytic/Predictive modeling Tools: Jupiter, Anaconda
Visualization Tools: Tableau, Python – Matplotlib, Seaborn
Programming Language: Python, SQL
Libraries: Pandas, NumPy, beautiful soup
Front end technologies: HTML, CSS, JavaScript
Database Skills: SQL Server, Oracle
Data engineer tool : Databricks
Versioning Tools: GIT
Cloud: AWS
Unstructured database: Mongo DB
Development Tool: PyCharm, Notepad ++
OS and Networking: Windows XP, Windows 10, Ubuntu/Linux 18.2

EDUCATIONAL QUALIFICATION:

- ❖ BE- Savitribai Phule 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: Analytical Visualization

Client: Williams-Sonoma, USA

System/Component: Payment, E- commerce, CRM

Technology: Python, SQL, Machine Learning, Pandas, NumPy, Matplotlib, Seaborn, AWS

Role – Python Data scientist

Project Description:

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 metrics such 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.

Roles and Responsibilities :

- 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 data models and algorithms

- Use predictive models to improve customer experience, ad targeting, revenue generation, and more
- 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 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

Project-Sequence 2

Project Name: Payment Unification - Recurring Payments

Client: Charter Communications, USA

System/Component: Payment System, Telecom BSS

Technology: Python, SQL, GIT, Pandas, Numpy, Matplotlib, Seaborn

Roles: Python Data analyst

Project Detail Description:

Payment Unification is 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 facilitates 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 Analyze Customer requirements and Business logic
- 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.
- Writing sql queries to work with data
- Improve functionality of existing systems by understanding existing code
- Validated already developed python reports. Fixed the identified bugs and re-deployed the same
- Improve functionality of existing systems by understanding existing code
- Perform quality checks on data and suggesting improvements to improve data quality
- Create the Reporting and share with top management

Project sequence-3

Project Name: Broadband Billing and Data Migration

Client: Charter Communications, USA

System/Component: Telecom BSS, Siebel CRM

Technology: Python, SQL, Git, Pandas, Etl, Numpy

Roles: Python Data analyst

Project Detail Description:

Data migration 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 Analyze Customer requirements and Business logic
- Built multifunction readmission reports using python pandas
- Involved in designing and preparation of call flows with usability services.
- Perform data exploratory analysis using Matplotlib, Seaborn
- 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.
- Identifying production and non-production application issues
- Ensuring designs comply with specifications, transforming requirements into stipulations
- Coordinate with various technical/functional teams to implement and monitor results
- Validated already developed python reports. Fixed the identified bugs and re-deployed the same.
- Recommend changes to improve established python application processes
- Create the Reporting and share with top management