MAHESH ASHOKRAO BHANDARE

Python Data Science | Machine Learning | Django REST API | PySpark | Mongo DB | SQL | ETL / Dwh | Business Intelligence | Unix

Objective

Looking for a challenging role as **Data Scientist (Python Developer)** in a good organization to utilize my **Python Machine Learning / Django REST / Data Intelligence** skills for the growth of the organization as well as to enhance my knowledge about emerging trends in the IT sector. In the career of 3+ years of experience acquired a good knowledge about Data Science and Web Application Development field. Data Scientist with strong Statistics and Mathematics background and 3+ 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. A self-motivated IT professional seeks for a thriving, exciting, and growing career in the field of IT-Software Industry especially for roles such as Data Scientist/ML/AI/Python Developer where my profound Data Science / Web Application Development along with Python Programming, SQL and UNIX knowledge and experience in Programming Concepts and Methodologies in Software Development are shared and my all-rounder development is encouraged.

Technical Qualification Headlines

Currently working as a **'Python-Data Scientist'** for 'Voice and Message Routing Optimization' with client Aussie Broadband, Australia at IBM Pune. Strong work experience with Technologies such Python Data Science, Machine Learning, Django REST API, PySpark, SQL, MongoDB, UNIX, ETL Dwh, Business Intelligence.

Core Libraries Worked With:

- Pandas
- Numpy
- Seaborn, Matplotlib, Scipy
- Scikit Learn
- Keras, Tensorflow

- Python ETL – Spark
- BI Tool used - Tableau
- Framework involvement : Django REST
- Web Scraping Library : Beautiful Soup 4
- Unstructured Database – Mongo DB

Machine Learning Algorithm Work Experience:

- Linear Regression
- Logistic Regression
- KNN
- K-Means
- Naïve Bayes, XG Boost

- Decision Tree
- Random Forest
- Support Vector Machine
- Principal Component Analysis
- NLP

Process worked with: DevOps + Agile

Software Programming Language Experience:

- Python
- Java
- C++
- Java Script

- CSS
- HTML
- Boot Strap
- J Query

Business Implementation Programming Experience:

- Machine learning – Python
- Django REST API
- ETL – Python
- Business Intelligence

Strong Areas

- Python
- SQL,
- Unix

- Django Web service-REST
- Machine Learning Algorithm
- Data Analytics –ETL

Professional Work Experience

Data Science / Machine Learning & Django Rest / ETL Task:

- Highly efficient Data Scientist/Data Analyst with 3+ years of experience in Data Analysis, Machine Learning, Data mining with large data sets of Structured and Unstructured data, Data Acquisition, Data Validation, Predictive modeling, Data Visualization, Web Scraping.

- 3+ years of Experience in design, development, testing and implementation of various stand - alone and client-server architecture based enterprise application software in Python on different domains.

- Experience in statistical programming languages with Python including Big Data technologies like Pyspark

- 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 (Decision Trees, Regression Models, Clustering), Dimensionality Reduction using Principal Component Analysis (PCA) and Factor Analysis, Testing and Validation using AUC/ROC plot, K - fold Cross-Validation and Data Visualization.

- Experience and deep understanding of Statistical modeling, Multivariate Analysis, Model Testing, Problem Analysis, Model Comparison, and Validation.

- Expertise in transforming business requirements into Analytical Models, Designing Algorithms, Building Models, Developing Data Mining and Reporting solutions that scale across a massive volume of structured and unstructured data.

- Skilled in performing Data Parsing, Data Manipulation and Data Preparation with methods including describe data contents, compute descriptive Statistics of data, Regex, split and combine, remap, merge, subset, reindex, melt and reshape.

- Experience in using various Libraries and Packages in python-like NLP, Pandas, NumPy, Seaborn, SciPy, Matplotlib, Sci-kit-learn, Beautiful Soup, Json, CSV, Highly skilled in using visualization tools like Tableau for creating dashboards.

- Extensive experience in Text Analytics, generating data visualizations using Python and creating dashboards using tools like Tableau.

- Hands on experience with big data tools like PySpark, Spark SQL. Hands on experience in implementing LRA, Naive Bayes and skilled in Random Forests, Decision Trees, Linear and Logistic Regression, SVM, Clustering, Principle Component Analysis.

- Good Knowledge in Proof of Concepts (PoC's), gap analysis and gathered necessary data for analysis from different sources, prepared data for data exploration using data munging.

- Good industry knowledge, analytical & problem-solving skills and ability to work well within a team as well as an individual.

- Experience in designing stunning visualizations using Tableau software and publishing and presenting dashboards, Storyline on web and desktop platforms.
- Experience and Technical proficiency in Designing, Data Modeling Online Applications, Solution Lead for Architecting Data Warehouse/Business Intelligence Applications.
- Experience with Data Analytics, Data Reporting, Ad-hoc Reporting, Graphs, Scales, Pivot Tables and OLAP reporting.
- Highly skilled in using Hadoop (pig and Hive) for basic analysis and extraction of data in the infrastructure to provide data summarization.
- Worked and extracted data from various database sources like Oracle, SQL Server, DB2, regularly accessing JIRA tool and other internal issue trackers for the Project development.
- Highly creative, innovative, committed, intellectually curious, business savvy with good communication and interpersonal skills.

Django REST Task:
- Good experience in developing Web Applications implementing **Model-View-Control Architecture using Django REST Application Framework.**
- Strong expertise in development of **Web-Based Applications using Python, HTML, CSS, JavaScript, JSON and JQuery.**
- Experience in working with **Python ORM Libraries including Django ORM, SQLAlchemy.**
- Good knowledge of **Web Services with protocols SOAP, REST.**
- Experience in working with **continuous deployment** using **Heroku and Jenkins.**
- Good experience in working with **Amazon Web Services like EC2, Virtual private clouds (VPCs), Storage models (EBS, S3 , instance storage), Elastic Load Balancers (ELBs).**
- Experience in using various version control systems like **Git, and GitHub.** Having good knowledge in using **NoSQL databases like MongoDB** . Proficient in writing **SQL Queries.**
- Excellent Interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment.

Key Skills
- Frameworks: Django, CSS , Bootstrap.
- Web Technologies: HTML, CSS, Java Script, JQuery, JSON, XML.
- Programming Languages: Python, HTML, CSS, SQL.
- Version Control: Git, GitHub.
- Cloud Computing: AWS EC2, S3.
- Analytic Tools: PySpark.
- Application servers: Apache Tomcat, Nginix, JBoss, WebLogic, WebSphere.
- Databases: Oracle 10g, MySQL, MongoDB.
- IDEs/Development Tools: PyCharm , Anaconda – Jupyter Nb , Atom, Spyder , Microsoft Visual Studio.
- Operating Systems: Windows, Red hat Linux .
- Protocols: TCP/IP, HTTP/HTTPS, SOAP.
- Deployment Tools: Heroku, Jenkins.
- Issue Trackers: HPALM 12.5.
- Web Service : REST –JSON, DRF (Django Rest Framework)

Educational Details

Masters in Technology, **(**M.Tech - CAD/CAM & Automation) from VJTI (Govt. Autonomous), Mumbai, Mumbai University)

Working Zone Organization

Currently working as Python Data Scientist with IBM, Pune (https://www.ibm.com), since May 2018 to till date.

Achievements

- Received *"Star Performer Award"* from IBM for good performance.
- Received appreciation for E2E Delivery from client Mohawk Industries, USA.

Projects

Project Sequence 1

- **Project Name** : **Product Analytics & Metrics Visualization**
- **Vertical** : E- commerce , Payments
- **Client** : Mohawk Industries, USA
- **Technology & Tool** : Python, Data Science, Machine Learning, PySpark, Spark SQL, ETL, Statistical Analysis
- **Roles** : Python Data Scientist

Project Sequence 2

- **Project Name** : **Virtual Terminal**
- **Vertical** : E- Commerce , Payments
- **Client** : Mohawk Industries, USA
- **Technology & Tool** : Python, Django REST-API, PyTest, Postman, ETL, UNIX
- **Roles:** : Python Developer

Project Sequence 3

- **Project Name** : **Customer Segmentation and Product Development**
- **Client** : Aussie Broadband, Australia.
- **Vertical** : Telecom OSS Provisioning and Activation –Inventory Management
- **Technology & Tool** : Python, Data Science, Statistical Analysis, EDA, Machine Learning Algorithms
- **Role** : Python Data Scientist.

Project Sequence 4

- **Project Name** : **Voice and Message Routing Optimization**
- **Client** : Aussie Broadband, Australia.
- **Vertical** : Telecom OSS Provisioning and Activation –Inventory Management
- **Technology & Tool** : Python, Django REST, Oracle ,GIT , Rest – Web Service ,Pandas, ETL, Statistical Analysis.
- **Role** : Python Developer