



Makarand Diliprao Sawarkar

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**Strong zone :** AWS Cloud | Python | SQL | ETL-Data Warehousing | Big data | Azure Cloud | Data Engineering | Data Analytics | DevOps CI-CD | Data Science | Linux | Business Intelligence

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* **AWS Certified Solutions Architect - Associate Certificate**

(Validation Number GGREXVWLHMR4QBW8)

(Validate at: <https://aws.amazon.com/verification>)

Credly: <https://www.credly.com/users/makarand-sawarkar.b0a93dab>

* **Microsoft Certified: Azure Data Engineer Associate**

Credly: <https://www.credly.com/badges/e8aabb95-f0cc-44f8-801c-cd572d2c869d/public_url>

* **Microsoft Certified: Data Analyst Associate**
* **Microsoft Certified: Azure Data Science Associate**
* Resourceful, enthusiastic person with hands on technical skills.
* Worked on AWS services like VPC, S3, RDS, AWS Glue, EC2, Redshift, IAM, CloudWatch, ELB, lambda, API Gateway, Step Function, Athena, DynamoDB and many services, Azure cloud services, GCP Cloud Services
* Worked on ETL transformations with AWS Glue, SQL, Power BI and Tableau as reporting tool.
* Result oriented pro-active professional possessing strong analytical skill.
* Passionate learner, Team player with quick learning abilities and problem-solving skills.
* Strength: Positive Attitude & Self Confidence to achieve the goals
* Interpersonal Skills: Passionate, Creative, Dedication, Willingness to Learn, Resilience, Ability to rapidly build relationship and set up trust.

**CORE TECHNOLOGY SPECIALIZATION & Tools :**

**AWS Cloud | Python | Azure | Data warehouse /ETL | Business Intelligence (Power BI) | SQL | Big Data| Django REST API | Data Science | Machine learning | Unix | MongoDB | DevOps CI-CD (Jenkins, Docker, Kubernates, Grafana)| Spark | PySpark | Bitbucket | Jira | Jenkins | Confluence | Git/Github | GCP | Azure DataBricks**

VERTICAL /DOMAIN/SYSTEM SPECIALIZATION

Banking and Finance | Telecom OSS - Provisioning & Activation | Healthcare |Manufacturing – US Aerospace (Goverment) | Cloud Based Event Management, data integrations, marketing automation, CRM, ERP | Payment Gateway | Logistics (Supply Chain )

OBJECTIVE :

To find a Position in a cutting edge Organization that will utilize either or all of my AWS/AZURE, Data Engineering/Deep Learning/Python/Data science /Machine Learning /Artificial Intelligence /Django REST API Web Development /Power BI Experience and skills. To employ myself in a progressive organization that provides scope to update my practical knowledge and skills in accordance with the latest trends and be part of the team that dynamically works towards growth of the organization. To achieve a challenging position in Software Industry in a result-oriented company, where acquired skills and education will be utilized towards continuous growth and advancement.

Tools and Associated Technologies Used :

* Unstructured Database Used – Mongo DB, AWS DynamoDB
* UI Application Programming Language - HTML, CSS, JavaScript.
* Web Framework involvement : Django REST
* BI Tool used - Power BI, Tableau
* Core Data science Libraries Used : Numpy | Pandas | Matplotlib | Scikit Learn |Seaborn |
* DevOps Tools: Jenkins, Docker, Kubernates, Bitbucket, Jira, Grafana, Ansible, Git, Linux, Terraform( learning-in-progress)

Process worked with: **DevOps + Agile**

Familiar with Software Programming Language

Python | SQL |Java Script |CSS |HTML |

**PROFESSIONAL WORK SUMMARY**

* Experienced in **Data Extraction, Data Modelling, and Data Visualization.**
* Expertise in transforming business resources and requirements into manageable **data formats and analytical models, designing** algorithms, building models, developing data mining and reporting solutions that scale across a massive volume of structured and unstructured data.
* 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 engineering, statistical modeling, testing,validation, data visualization.
* Collaborated with data engineers and operation team to implement ETL process, wrote and optimized SQL queries to perform data extraction to fit the analytical requirements.
* Explored and analyzed the customer specific features by using SQL.
* Worked on data cleaning and ensured data quality, consistency, integrity using Pandas, Numpy.
* Used AWS services to create ETL packages to Validate, **Extract, Transform and Load** data into Data Warehouse and Data Mart.
* Wrote SQL queries for data analysis to meet business requirement.
* Analyze and Prepare data, identify the patterns on dataset by applying historical models. Collaborating with Senior Data Scientists for understanding of data
* Perform data manipulation, data preparation, normalization. Improve efficiency and accuracy by evaluating model in Python
* This project was focused on customer segmentation based on machine learning and statistical modelling effort including building predictive models and generate data products to support customer segmentation
* Designed front end and backend of the application utilizing Python on Django Web Framework.
* Analyzed the requirements and designed the flow of task using flow charts and dependently designed flow between pages of UI.
* Responsible for creating of website functionality with JavaScript, HTML, CSS .
* For the development of the user interface of the website used HTML, CSS, Java Script.
* Used various types of Django libraries such as Django-rest-framework ,Django-cors-headers , Django-filter , Django-import-export
* Experience in developing views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Performed data analysis using Pandas as API to convert data into tabular format
* Created **visualizations such as pie charts, donut charts and displayed in the web application**
* For the development of the web applications utilized CSS.
* To share the information across the applications used pickle/unpickle in python.
* Utilized Python libraries like Numpy and matplotlib for generating graphical reports.
* Build SQL queries for performing various **CRUD operations like create, update, read and delete.**
* Experienced with GIT version control and deployed the project to AWS.

**TECHNICAL SKILLS**

* Python Core Libraries worked: Pyspark | Numpy | Pandas | Matplotlib|Seaborn
* AWS Services Worked: VPC, RDS, S3, EC2, Redshift, IAM, Cloudwatch, ELB, Route53, lambda Function,AWS Glue, Athena, Step Function and many services etc
* Azure Services Worked: Blob Storage, ADF, Azure Databricks, Azure Database, Azure Active Directory, Azure DevOps
* DevOps Tools: Jenkins, Docker, Kubernates, Bitbucket, Jira, Grafana, Ansible, Git, Linux, Terraform( learning-in-progress)
* Big Data worked: Spark, PySpark, Airflow, Kinesis,Hive
* Process worked with: **DevOps + Agile**
* Machine Learning: Logistics Regression, Linear Regression, K-means
* Analytic/Predictive modeling Tools: Jupyter, Anaconda
* Visualization Tools: Power BI, Tableau, Python – Matplotlib
* ETL: AWS Glue, Pyetl, Azure Databricks
* Programming Language : Python, SQL
* Tools: SQL Developer
* Web Designing :- HTML, CSS, JavaScript
* Web server :- Apache.
* Database Skills :- MySQL , Microsoft SQL Server (SSMS).
* Versioning Tools :- GIT, Bitbucket
* RDBMS :- SSMS
* Unstructured database :- Mongo DB, AWS DynamoDB
* Continuous Integration Tool :- Jenkins
* Framework Software :- Django
* Defect Reporting Tool :- HPALM
* Web Service :- REST –JSON, DRF (Django Rest Framework)
* Development Tools :- PyCharm, Notepad ++
* OS and Networking :- Windows 7, Windows 10, Ubuntu/Linux 18.2

**EDUCATIONAL QUALIFICATION**

* B.E - Electrical Engineer (Electronics and Power) - G. H. Raisoni College of Engineering and Management, Amravati
* University :- Sant Gadge Baba Amravati University - Maharashtra

**WORK EXPERIENCE DETAILS**

* Currently working as **Associate Data Analyst** With Acuity Knowledge Partners Bangalore, since Sep-2022 to till date
* Previously associated as **Software Engineer** With Emids Technologies Pvt Ltd Bangalore, since March-2022 to Sep-2022.
* Previously associated as **Associate Software Engineer** with Mannara Technologies Pvt Ltd, Pune since December-2020 to February-2022.
* Previously associated as **Software Engineer** with Wayzon Technology Services Pvt Ltd, Pune since December-2018 to November-2020.

**AWARDS**

* Received Rising Star award and cash prize as a token of appreciation from Client at Mannara for good performances .
* Received appreciation for IOT Payments successful delivery from Client Home Depot**, USA**

**AWARDS**

* Active role in cultural and team building activities in Trinus Corporation

• Member of **Toast Masters Club** team which empower individuals to become more effective, dynamic, high-value,

experiential communication and leaders. aware of the eco-friendly practices at the workplace.

• Learning Japanese language and culture to understand the different culture and language across border.

**PROJECTS DETAILS**

**Project Sequence 1**

* **Project Name : Edwards Data Lake Development**
* Client  **: Edwards Lifesciences,** [**Irvine, California,**](https://www.google.com/search?rlz=1C1CHBD_enIN997IN997&q=Irvine,+California&stick=H4sIAAAAAAAAAOPgE-LSz9U3MC4wMigoVuIEsVPMsw2rtLSyk63084vSE_MyqxJLMvPzUDhWGamJKYWliUUlqUXFi1iFPIvKMvNSdRScE3My0_KL8jITd7Ay7mJn4mAAAH7Tv4liAAAA&sa=X&ved=2ahUKEwj5xM_sp_X3AhXhJKYKHTUhAa8QmxMoAXoECHUQAw) **USA**
* System/Component : Healthcare
* Technology : AWS Services (Glue, S3, RDS, lambda, step function,EC2, RDS, API Gateway, Redshift), Bitbucket, Jenkins,

Jira, ETL, Python, SQL Server, BI, Spark, pyspark, Big Data, Airflow, Confluence,

DevOps CICD, DevSecOps

* Roles : (AWS Cloud) Data Engineer

**Project Overview and Workflow :**

Edwards Life science is the global leader in the science of heart valves, hemodynamic monitoring and global leader of patient-focused medical innovations for structural heart disease and critical care monitoring. Edwards Lifesciences Corp. engages in the patient-focused medical innovations for heart disease and critical care monitoring. Its products are categorized into three areas: Transcatheter Heart Valves, Surgical Structural Heart and Critical Care. The Transcatheter Heart Valves portfolio includes technologies designed to treat heart valve disease using catheter-based approaches as opposed to open surgical techniques. Its portfolio includes technologies designed for nonsurgical replacement of heart valves. The Surgical Structural Heart portfolio includes tissue heart valves and heart valve repair products for the surgical replacement or repair of a patient's heart valve. The Critical Care portfolio products through hemodynamic monitoring system measures a patient's heart function and fluid status in surgical and intensive care settings. The company was founded by Miles Lowell Edwards in 1958 and is headquartered in Irvine, CA.

The requirement is to create a data lake for one of the business use case of clinical trials.

***Key Responsibility areas:***

* Developing AWS Glue jobs to join, transform, partition & load data into S3
* Crawled clean data from S3 and established the connection with RDS in the AWS Glue Data Catalog.
* The data is ingested from different vendor sources in the file format into AWS data lake.
* Add trigger to automate the ETL pipeline.

**Project Sequence 2**

* **Project Name : Westpac Banking Corporation (Deployed to Infosys)**
* Client  **: Westpac Banking Corporation, Sydney, Australia**
* System/Component : Banking and Finance
* Technology : Azure Services (Azure ADF, Azure Databricks, Blob storage, AAD, Azure DevOps, Azure DW), Bitbucket, Jenkins,

Jira, ETL, Python, SQL Server, BI, Spark, pyspark, Big Data, Control-m, Confluence,

DevOps CICD, DevSecOps, Hadoop, DDEP MDE Editor, DDEP Framework

* Roles : Data Engineer (Azure, Python)

**Project Overview and Workflow :**

Westpac Banking Corporation, known simply as Westpac, is an Australian multinational banking and financial services company headquartered at Westpac Place in Sydney, New South Wales. Established in 1817 as the Bank of New South Wales, it acquired the Commercial Bank of Australia in 1982 before being renamed to Westpac Banking Corporation. Westpac is one of Australia's Big Four banks, and is Australia's first and oldest banking institution. Its name is a portmanteau of "Western" and "Pacific".

The structure involves five key divisions including: Consumer Bank, Commercial and Business Bank, BT Financial Group, Westpac Institutional Bank and Westpac New Zealand, ATM Alliance, Westpac Migrant Banking, Westpac Pacific.

These five divisions serve more than 13 million customers. Established in Sydney in 1817, the Bank of New South Wales (BNSW) was the first bank in Australia. Edward Smith Hall was its first cashier and secretary. During the 19th and early 20th century, BNSW opened branches first throughout Australia and Oceania: at Moreton Bay (Brisbane) in 1850; in Victoria in 1851; in New Zealand in 1861;

in South Australia in 1877; in Western Australia in 1883; in Fiji in 1901; in Papua New Guinea in 1910; and in Tasmania in 1910.

Westpac is Australia’s oldest bank and company, one of four major banking organisations in Australia and one of the largest banks in New Zealand that provides a broad range of banking and financial services in these markets, including consumer, business and institutional banking and wealth management services. Westpac also have offices in key financial centres around the world including London, New York, Hong Kong and Singapore. Westpac Group's portfolio of financial services brands and businesses is focused on our vision, which is "To be one of the world’s great service companies, helping our customers, communities and people to prosper and grow.”

***Key Responsibility areas:***

* Designed, Developed and Supported Extraction, Transformation and Load Process (ETL) for data migration with ADF, Pyspark and Oracle as database.
* Involved in extracting the data from the Flat Files and Relational databases into staging area.
* Work with stakeholders to determine how to use business data for valuable business solutions.
* Provided support to all data analysis, documentation and data manipulations which facilitatesthe migration of code in **DDEP framework**.
* Involved in Testing and Resolution of various Bottlenecks came acrosslocally using PyCharm (feature branch).
* Worked on DDEP editor (GUI) as a tool for secure and managed file transfers.

**Project Sequence 3**

* **Project Name : Aventri Data Lake Development**
* Client  **: Aventri,**[**Norwalk, Connecticut, United States**](https://www.google.com/search?rlz=1C1CHBD_enIN997IN997&q=Norwalk,+Connecticut&stick=H4sIAAAAAAAAAOPgE-LWz9U3MDQ2NzKNz1HiBHNKcnLLtbSyk63084vSE_MyqxJLMvPzUDhWGamJKYWliUUlqUXFi1hF_PKLyhNzsnUUnPPz8lKTSzKTS0t2sDLuYmfiYAAAjQi-JGUAAAA&sa=X&ved=2ahUKEwjYh86cq_X3AhUBEqYKHYgMC8IQmxMoAXoECFsQAw)
* System/Component : Cloud Based Event Management, data integrations, marketing automation, CRM, ERP, association management
* Technology : AWS Services (Glue, S3, RDS, lambda, step function,EC2, RDS, API Gateway, Redshift), ETL, Python, SQL Server,
* Power BI, Spark, pyspark, Big Data, Confluence, DevOps CICD, Bitbucket, Jenkins, Jira
* Roles : (AWS Data Engineer) Data Analytics Team and DevOps Engineering (CICD)

**Project Overview and Workflow :**

Aventri is a leading cloud based Event management company known for its integrated solutions for management of meetings, events & tradeshows. It provides platform to other companies and organizations to execute event and meetings for virtual, hybrid and in-person event globally.

The requirement was to develop the data lake with historical and near real time data from different data sources with partitions and row level security.

***Key Responsibility areas****:*

* Involved in project planning and execution as well as monitoring
* Involved in setting up the required architecture for the Datalake development using various AWS components such as VPC, IAM, Glue, Redshift, Athena, etc.
* Setting up connections with different data sources such as MySQL, Azure SQL, etc
* Part of creation of raw layer and staging layer from different data sources in S3
* Designed and developed AWS Glue jobs to join, transform, partition & load data into S3
* Developed workflows to schedule the loads for incremental data
* Implemented row level security to restrict access to different users using IAM policies
* Designed and implemented simple star schema model into AWS Redshift
* Loaded the dimensions and facts in Redshift using AWS Glue
* Working on Infrastrcture - EC2 Instances (254) and RDS Instances hosted in Regions N. Virginia (US), Europe (Ireland), Asia pacific (Sydney) and Monitoring and troubleshooting DB Instances, CPU Utilization and Disk Space
* Responsible to action on configuration and Infra Requests, which are reported on SLACK or JIRA
* Working on Technology Stack: Bitbucket (Source code Repository), Jenkins (Support for scheduled builds & automation test execution, Deployment of the artifact with custom scripts), Linux, AWS Services: IAM, Cloudwatch, EC2 Instance, VPC (Virtual Private Cloud), Route53, Elastic Load Balancer, Security Groups, RDS: MySQL; PostgresSQL; MongoDB, S3, Lambda (Serverless), SNS; SQS, Certificate Manager.
* Responsible to action on configuration and Infra Requests, which are reported on SLACK or JIRA
* To make the events successful, working on several modules which are in use as per requirement: Registration, Email Marketing, Exago, Mobile App, Budget, Project Collaboration, Abstracts, Networking
* In Service Architecture working on - EC2, PHP Applications, SQL, Amazon S3, AWS Glue: automatically crawls Amazon S3 data, identifies data formats, and then suggests schemas for use with other AWS analytic services, Athena: uses the AWS Glue Data Catalog as a central location to retrieve table metadata, Lambda Function: To fetch the requested details for client on the basis of API call.

**Project Sequence 4**

* **Project Name : HR4860 Secure 5G SD-WAN Gateway on Fiber Networks**
* Client  **:** Netcomm Wireless,Australia
* System/Component : Telecom OSS Provisoning & Activation ,CRM
* Technology : Python, Django, SQL Server, GIT, Rest – Web service, Pandas, ETL, AWS Services(Glue, S3, RDS, lambda,

EC2, APIGateway, Redshift), ETL, Statistical Analysis, Spark, pyspark, Bitbucket, Jenkins, Jira, Confluence,

DevOps CICD (Docker, Kubernates, Grafana)

* Roles : Python Data Analyst **/** Python Django REST web Development

**Detail Project Overview and Workflow :**

This Solution is used for the management and orchestration of user virtual and physical network functions to facilitate the adoption of new technologies so user can innovate in service creation. The support provided by Liberty Global OSS for both PNFs and VNFs serves as the foundation of network slicing. Packet traffic on Fiber networks is steadily on the rise and Fiber network operators must meet exacting services while optimizing performance. As a result, more and more telecom operators are ramping up their transoceanic fiber networks to improve reliability, performance and bandwidth availability, making comprehensive testing—across the multiple layers of the network—critical.

Laying out new submarine fiber is several times more expensive than terrestrial deployments. Its troubleshooting, repair and upgrade is likewise costly. Telecom operators face the task of running each fiber at its maximum capacity. Therefore, network characterization tests, including end-to-end chromatic dispersion (CD) and polarization mode dispersion (PMD), are essential to guarantee high-speed submarine transmission. What’s more, validation with a next-gen optical spectrum analyzer (OSA), performed during system commissioning, ensures that a single fiber will contain as many dense wavelength-division multiplexing (DWDM) channels as possible, while operating error-free.

Today’s regional and transoceanic network deployments demand powerful, flexible multiservice testing solutions that address SONET/SDH/OTN (up to OC-768/STM-256/OTU3) and Ethernet (10M to 100G) transmissions. Accelerating and simplifying the deployment processes with powerful, intelligent platforms that easily accommodate a variety of optical, transport and datacom modules help overcome these challenges. In addition, capabilities, such as automation, simultaneous and in-service testing, as well as remote management, validate that all the tests performed throughout the lifecycle are accurate, thereby ensuring the cost-efficiency and success for 40G/100G submarine networks.

**The main features are**

Support for corporate hierarchies,Order Management automation,Product management and pricing for any business model,One bill for any service,Capture all your revenue,Integrate with ease,Agent support

**Task Handled**

* Experience in developing entire frontend and backend modules using Python on Django Web Framework.
* Experience in working at various phases of project such as analysis, design, development, and testing.
* Using Django Framework model, implemented MVC architecture and developed web applications with superb interface.
* Created user interface of website using Python, HTML5, CSS, JSON. Used CSS bootstrap framework for developing web application.
* Developed the business logic in views for the URLs created and linked the webpages to functions in views to show the output to the end-user or to store information from the website into the database
* Worked on Django REST framework as it is much faster to read data and it can be cached. REST allows more formats than SOAP and gives better support for browser clients as it supports JSON.
* Written scripts to import data, export data and data modeling.
* Worked on Django ORM API to create and insert data into the tables and access the database.
* Extensive experience in using the python packages such as NumPy, SciPy, Pandas, Pickle and OS.
* 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
* Understand and Analyse Customer requirements and Business logic ,Perform data cleansing, data imputation and data preparation using Scikit Learn and Numpy.
* Conduct software analysis, programming, Unit 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 5**

* **Project Name : Power BI Reports for the WIP Data**
* **Client : Howmet Aerospace ,** [**Pittsburgh, Pennsylvania, United States**](https://www.google.com/search?rlz=1C1CHBD_enIN997IN997&q=Pittsburgh&stick=H4sIAAAAAAAAAOPgE-LVT9c3NEzOq6hMyjLJVeLQz9U3MLMoMNLSyk620s8vSk_My6xKLMnMz0PhWGWkJqYUliYWlaQWFS9i5QrILCkpTiotSs_Ywcq4i52JgwEA20Qgo1wAAAA&sa=X&ved=2ahUKEwiIuOT-r_X3AhVyJqYKHWO1BzAQmxMoAXoECGYQAw)
* System/Component : Manufacturing WIP data Business Intelligence Reporting
* Technology : Azure ADF, Azure Databricks, Power BI, Microsoft SQL Server, SSMS, Power BI service, Azure, Sharepoint
* Roles : Data Analytics

**Project Overview and Workflow :**

Howmet Aerospace Inc., (formerly Arconic Inc.) is an American aerospace company based in [Pittsburgh, Pennsylvania](https://en.wikipedia.org/wiki/Pittsburgh). The company manufactures components for jet engines, fasteners and titanium structures for aerospace applications, and forged aluminum wheels for heavy trucks.

The Project Objective is to create the Power BI Reports for the WIP Data for one of the business use case.

***Key Responsibility areas:***

* Communicating with client to understand business requirement and enhancement the dashboard using Power BI.
* To enhance the programs for data collection, modelling and reporting the operational performance.
* Creating Data Presentation/Visualization layer with Power BI for report enhancement.
* Involved in effectively used filters, actions feature in Power BI.
* Accessed and used various Custom Visuals available in Power BI.
* Retrieving the required data from database Using SQL queries.
* Well versed in data modeling, data extraction from multiple data sources MS SQL server.
* Delivered UAT test cases; validate the quality and integrity of the data included in the Reporting Packages and Dashboards.
* Responsible for enhance the Reports/Dashboards and publish into cloud services.
* Create dashboards by pulling data from different sources and present them to management team
* **Project Name : Analytical Grid & Smart Visualisation**
* Client  **:** The Home Depot,USA
* System/Component : Logistics
* Technology : Python, Django, Oracle, GIT, SVN, Rest – Web service, Pandas, ETL, Statistical Analysis, DevOps, Jira, Jenkins
* Roles : Python Data analyst **/** Python Django REST web Development

**Detail Project Overview and Workflow :**

Grid analytics is a solution for end user to check the availability of product in Warehouse .Market Basket Analysis is a technique that identifies the strength of association between a pair/group of products that are purchased together. In simpler words, it’s based on the concept that if a customer buys a product, they are more or less likely to buy another related product. Market Basket Analysis also uses machine learning/deep learning algorithms, like product recommendation engines.

SERP (Search Engine Result Page) analytics help user measure how customer's interact with the search results on user SERP, which gives insight to how customer search engine is functioning. This gives user important data points about where to improve the search experience.

Association rule learning is a machine learning method that is used for discovering associations between products. It does not consider the order of the purchase of products. Product Analytics will show user most popular products and availabiity along with detailed insight into how often each product is purchased and how much revenue it generates.

user can also see the keyterms shoppers are searching and which product they end up buying, so user can update the product naming to better fit for customers.

**Task Handled :**

* Interpreting data, analysing results using statistical techniques
* Developing and implementing data analyses, data collection systems, other strategies that optimize statistical efficiency quality
* Design python script with respect to ensure functionalities meets customer requirements
* Extensive experience in using the python packages such as NumPy, SciPy, Pandas, Beautiful Soap, Pickle and OS.
* Worked on Django REST framework as it is much faster to read data and it can be cached. REST allows more formats than SOAP and gives better support for browser clients as it supports JSON.
* 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, improve product development, marketing techniques,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
* Develop processes, techniques, and tools to analyze and monitor model performance while ensuring data accuracy

**PERSONAL DETAILS:**

Father name :- Diliprao Sawarkar

Mother name :- Nandini Diliprao Sawarkar

Current address :- Rainbow Glory, Kharadi, Pune, Maharashtra, India, Pin code 411014

Date of birth :- 20/10/1995

Martial status :- Single

Language :- Marathi , Hindi , English, Japanese

Passport: R5374017

Soft Skills: Team building skills, Leadership qualities and organizational skills, ability to manage multiple tasks in pressured environment, Adroit at learning new concepts quickly, communicating idea clearly and effectively.

DATE:- Regards,

Location : Pune Makarand Diliprao Sawarkar