

OMKAR VUDDANTI

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Personal Projects

Data Science Job Market EDA

- Utilized Python to analyze 7000 data science job listings and gain insights on what it takes to land a job in analytics
- Implemented Regex techniques to comb through the job descriptions and identified the key requirements
- Aggregated and visualized the data by using pandas, matplotlib and wordcloud to compile a professional report

Customer Sales Analysis

- Utilized SQL to extract data from 8 different related tables from customer sales databases using JOIN and VIEW
- Transformed and filtered data by using aggregating and filtering function to improve reporting process
- Loaded and visualized data with Python to identify key business intelligences that can improve sales performance

Statistical Downscaling of Temperature

- Deep Learning based statistical downscaling and future projection of temperature in Bhuntar, Himachal Pradesh.
- The main objective of this project was to compare the results of Machine Learning, SDSM, ANN and nonlinear regression method for statistical downscaling and future projection of temperature.

Income Class Classification

- Analyzing trends from product sales of a bank to classify the type of customers based on income class and predict customers' purchase choice of other products.
- ANN is used for the classification of income class of the United States population.

Skills

Python(Pandas, NumPy, SciPy, Matplotlib,scikit-learn, Keras) | MySQL | Microsoft Power BI
Excel(VLookup, Conditional Formatting, Pivot Tables) | Tableau | Modeling(Logistic & Linear regression)
AWS | GCP | OKTA | Apigee X | RHEL | Postman | ServiceNow | LDAP | Google Analytics
English, Telugu, Hindi – All professional proficiency

Professional Experience

Infosys

Senior Systems Engineer 08/2022 – present | Bangalore

- Planned and Replatformed Onpremise server to Cloud(**AWS & OCI**) environments which decreased support cost by 40% and application downtime by 20%
- Migrated Apigee On-prem to **GCP(Apigee X)** which reduced the infrastructure maintenance cost by 100% and average response time for API calls by 3 seconds which serves millions of requests per day.
- Integrated OKTA with 5 Telecom applications(of **Inmarsat now Viasat**) for User management and MFA.
- Implemented **New Relic** for APIs, Servers, and EKS Services Monitoring for error logging, incident capture & notifications which reduced customer escalations by 50%.

Systems engineer 06/2021 – 08/2022 | Chennai

- Supported Re-architecture and migration of API & related Databases with approximately 1 Million users from On-prem to the cloud.
- Provided Technical support to partners and clients regarding API & security configurations to align with policies.
- Integrated **OKTA** with Salesforce for User management and MFA.
- Extended 24/7 Technical support for Business critical applications & Databases(LDAP) which reduced downtime by 70%

Knowledge Lens, Backend Developer & DevOps Intern

01/2020 – 12/2020 | Bangalore

- Created multiple automated pipelines for the deployment of projects to servers.
- Developed a Web application for collecting and populating data from client devices using Python and Flask for API calls and backend.

Education

Bachelor of Technology - Computer Science, NIIT University

2016 – 2020 | Alwar, Rajasthan

Certifications

- AWS Cloud Practitioner [🔗](#)
- Data Analysis with Python - IBM certified [🔗](#)
- Databases and SQL for Data science - IBM certified [🔗](#)