Sai Subhash Yalamadala

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Professional Experience

Atos Syntel-AmericanExpress
Oct 2019 – Dec 2021

Associate Consultant   *Chennai*

- Automated ISPW/XL-Release transition, reducing manual work by 85%, and migrated 5,000+ components to ISPW release process. **Techstack:** SQL, IBM Db2, Python, QREP, XLR, ServiceNow, ETL.
- Designed and executed precise SQL scripts for data migration and data retrieval, achieving a 99.9% accuracy rate and optimizing project schedules by 20% using various CRUD operations.
- Revised, modularized, and updated old code bases to modern development standards, reducing operating costs and improving functionality.
- Worked on automated tools to create the test data and maintain the SIT and UAT test environments for the project testing. Followed Agile methodology for efficient project execution.
- Experience with relational databases, including data modeling, performance enhancement, and maintaining data accuracy.

Google Operations Center
Jul 2019 – Sep 2019

Process Associate   *Hyderabad*

- Managed inquiries, relationships, data engineering tasks, decisions, compliance, and status, resulting in a 98% customer satisfaction rate through efficient resolution of account and payment issues.
- Analyze customer data to identify trends and patterns, providing insights to optimize processes and improve customer satisfaction.

Electronics Corporation of India Limited (ECIL)
Jun 2017 – Dec 2017

Intern Trainee   *Hyderabad*

- Developed the "Integrated Charities for Aged" application using Java and Android Studio, resulting in a 40% increase in donations to old age homes through innovative streamlined processes and enhanced user experience.
- Achieved real-time data synchronization, user authentication, and robust security functionality by seamlessly integrating Google Firebase, ensuring the safety of donor information and a 30% reduction in processing time.

Academic Projects

Terrazas Web | *ReactJS - Github*

- Led the development of the "Terrazas de Guacuco" web application from scratch, employing Laravel, React, HTML/CSS, PHP, and unit testing. The project resulted in a 25% increase in user engagement.
- Established a WordPress blog for project visibility and contributed to UI design, database management, and deployment, resulting in a 15% increase in website traffic. **Blog link:** http://sxy1729.uta.cloud/
- Worked with Git for version control and code collaboration.

File Sharing & Notify System | *Python, Google Cloud Platform, Docker - Github*

- Developed a File Sharing and Notification app for efficient employee document management and collaboration, resulting in a 30% increase in document sharing efficiency and a 20% reduction in document retrieval time.
- Utilized Python Flask and Google Cloud technologies, ensuring scalable and streamlined pipeline solutions. Leveraged DevOps CI/CD tools like Jenkins.
- Utilized Docker to containerize application, leading to a reduction in deployment errors by 40% and increasing overall system stability.
- Experienced in integrating YAML files with version control systems, such as Git, to enable collaboration, code review, and change tracking.
- Developed and executed streamlined deployment processes using Jenkins and Kubernetes, resulting in a 40% reduction in deployment time.
- Led architecture design, Compute Engine and CloudSQL setup, Docker deployment, and VPC configuration for enhanced productivity. **Components**: Compute Engine, Cloud DNS, VPC, Storage, SQL, IAM, API, shell script

Multi-Classifier Machine Learning Project | *Python - Github*

- Implemented Decision Tree, Naive Bayes, and KNN classification in Python using Scikit-learn resulting in 90% accuracy.
- Processed diverse datasets by handling missing values, categorical, and extracting features from text. Conducted Exploratory Data Analysis EDA with visualizations, evaluated models using accuracy, precision, recall, and analytics.

Supermarket Sales EDA | *Python (Pandas, Numpy), Data Visualization (Seaborn, Matplotlib)*

- Conducted comprehensive EDA, including univariate, bivariate analysis, and data cleaning, on a historical supermarket sales dataset. Expertised in handling duplicate and missing data.
- Performed correlation analysis to identify relationships between variables.

Education

University of Texas at Arlington   **Jan 2022 – Aug 2023**
Master of Science in Computer Science   *Arlington, Texas*
Courses: Data Mining, Cloud Computing, Database Management, Artificial Intelligence (AI), Machine Learning, Distributed Systems, Web Data Management, Design Algorithms Analysis, Cloud & Bigdata

Malla Reddy College of Engineering and Technology   **Aug 2015 – May 2019**
Bachelor's in computer science engineering   *Hyderabad, India*
Courses: Operating Systems, Data Warehousing, Probability and Statistics, Information Technology and Computer Graphics, Computer Networking

Certifications

- AWS Solution Architect
- Exploratory Data Analysis with Python and Pandas
- CISCO CCNA Routing & Switching

Technical Skills

Languages: Python, Pandas, HTML/CSS, JavaScript, MySQL, PostgreSQL, Java, PDDL, Scala, CLisp
Developer Tools: VS Code, GCP, AWS, Docker, Kubernetes, DataBricks, Mavens, Android Studio
Technologies/Frameworks: Linux, Flask, Spark, GitHub, Postman, React, Laravel, WordPress, Data Analysis, PySpark
Soft Skills: Teamwork, Risk Management, Growth Mindset

Certifications

- Exploratory Data Analysis with Python and Pandas
- AWS Solution Architect
- Google Data Analytics Professional Certificate