

ARAVIND SARAVANAN

Senior System Engineer

B.Tech

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CAREER OBJECTIVE

2.5 years of professional experience as a Python Developer, specializing in AWS (S3, Lambda), Python, SQL and Data Analysis. Proficient in python programming development, django web based application development , and performance tuning using optimization techniques like caching and broadcast hints for SQL queries. Effective at requirement analysis, design, development, and on-time project delivery. A collaborative team player with solid communication, problem-solving, and client-facing skills, committed to meeting organizational goals and deadlines.

ACADEMIC BACKGROUND

UNDERGRADUATE-2019

- Completed B.TECH(Information Technology) in University College of Engineering,Trichy under Anna University,Chennai and Secured 63%.

TECHNICAL SKILLSET

- **Languages:** Python,Pyspark,SQL
- **Databases(cloud/On-Prem) :** AWS Redshift, MariaDB
- **SCM Tools:** JIRA,Git Lab and Git Hub.
- **Microsoft Platforms:** Excel, Word, PowerPoint
- **Cloud Platforms:** AWS

EXPERIENCE:

Cognizant Technology Solutions

(Aug 2022-Present)

Professional Project # 1

Technologies : Python | PySpark | AWS | Glue | Lambda | S3 | Athena | Redshift

| Step Function | Secret Manager | Lake Formation | IAM | ETL |Data Cleansing | Data Transformation |

Description:

• A leading European nutrition and health care client provides various products for humans as well as animals globally. We provided data migration service to them, which included migrating the data from the prime server into the AWS cloud.

Responsibilities:

- Worked on Migration project on-premises to cloud (AWS)
- Applied Spark transformation logic based on existing ETL tool called Alteryx.

- Using AWS glue to perform ETL services to crawl data to perform ingestion and data transformation using Spark.
- Using Athena helps to analyses the data stored in S3.
- Give permission from IAM and Data Lake Formation.
- Using Step function to merge all the processes to orchestrate.

Professional Project # 2

Technologies : Python | MS SQL| Tesseract | Machine Learning | NLP |

Description:

As a core member of python development team in the leading healthcare insurance company, it was a crucial role in leveraging machine learning (ML) and natural language processing (NLP) techniques to extract valuable insights from data source and process them to meet our business needs. I have worked closely with cross-functional teams to design, develop, and implement data solutions that drive informed decision-making and enhance our operational efficiency into the AWS cloud.

Responsibilities:

- Collaborated with the medical billing team to collect medical PDF documents.
- Implemented a data processing pipeline to analyze the International Classification of Diseases (ICD) codes embedded within the PDF files.
- Developed algorithms to extract text data from PDF documents using Natural Language Processing (NLP) techniques.
- Applied advanced machine learning models to interpret and categorize medical information extracted from the PDFs.
- Finally, integrated billing calculation functionality into the system based on the analyzed medical data.

CERTIFICATION

Accreditation - Databricks Lakehouse Fundamentals

ACCOMPLISHMENTS

Athletics State level participation in 3000mts

Won bronze medal in 100mts at divisional level athletics

Won gold medal in 3000mts,4*100mts at district level athletics

Athletics Inter-Zonal level participation in 4*100mts

SOFT SKILLS

- Possessing Good Leadership Skills
- Effective Time Management
- Multi-Tasking and Decision Making
- Decision Making

Place:

Date:

Aravind S