Anoop Musale

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Technical Skills

Programming: Python, SQL, Shell Script
Tools: Informatica PowerCenter, Informatica Intelligent Cloud Services, Kafka, Git, Jira, ServiceNow, Liquibase

Experience

Tata Consultancy Services Columbus, OH
Contract: Nationwide Insurance
Software Engineer August 2019 – Present

- Improved performance of Informatica code and SQL queries to reduce the batch runtime by 2 hours.
- Implemented shell script for ETL informatica packaging for Production, this helped reduce manual intervention with production code.
- Packaging tool also helped remove human error and saved 10 hours of effort every release.
- Implemented a system testing tool in SQL to perform side by side testing.
- Resolved 100+ change requests through Jira and ServiceNow which include requirement gathering, analyzing requests, development changes and end to end testing.
- Collaborated with other developers to resolve 250+ code and technical issues and QA to unblock critical production issues that helped in saving the company from technical debt in a 5 - 6 weeks span.
- Programmed and upgraded Informatica (ETL) code to accommodate new changes from Guidewire Policy Center.
- Migrated database from on-premises server to AWS RDS.

Research Experience

SURVEY PAPER ON MAZE GENERATION ALGORITHM FOR PUZZLE SOLVING GAMES February 2017

- Analyzed, researched, and compared 3 maze generation algorithms Depth First Search, Kruskal's Algorithm and Prim's Algorithm.
- Published in International Journal of Scientific & Engineering Research.
- Cited by 5 papers as of May 2022.

Personal and Academic Projects

TITANIC: MACHINE LEARNING FROM DISASTER March 2019

- Developed and compared accuracy of 6 machine learning models in Python using Pandas, NumPy and Matplotlib for processing data.
- 6 models were trained using Decision Tree, K-Nearest Neighbors, Logistic Regression, Naïve Bayes, Random Forest, and Support Vector Machine algorithms.

CANCER RECOGNITION Nov 2018

- Implemented classification models in Java, for detection and classification of the type of cancer a patient may have/develop based on 45 parameters.
- 3 models were trained using Single Continuous Perception Training Algorithm, Support Vector Machine (SVM) and Decision Tree on the data of 100,000 patients.

CPU SIMULATOR August 2018

- Programmed code in Java to replicate behavior of CPU when a set of instructions are provided.
- Program returned snapshot of the instruction after every step for clear understanding of how CPU works at machine level.

Education

STATE UNIVERSITY OF NEW YORK, BIINGHAMTON Binghamton, NY
Master of Science Computer Science May 2019

MUMBAI UNIVERSITY Mumbai, IN
Bachelor of Engineering, Information Technology May 2017