Balaji Subburaj

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Professional Summary

A Competent Professional with a result driven mindset and curiosity to apply analytical and digital skills to solve business problems and intend to associate myself in a challenging environment to deliver my best and pursue a dynamic career.

Work Experience

Cognizant Technology Solutions   Coimbatore, India
Programmer Analyst Trainee   August 2021 – Present
Roles and Responsibilities:

- **Pharmacy Management System | Logistics & Stocks – Junior Test Analyst**
  - Involved in the Semi-automatic dispensing system of Pharmacy Management System Application that is being used in 1000's of stores.
  - Created End to End test scenarios to meet the objective of System Integration Testing.
  - Closely working with Business analysts on E2E Systems and delivering Business requirements.
- **Coremetrics Replacement Project – Junior Test Analyst**
  - ***Skills Implemented/Covered:*** Adobe Analytics, Power BI, Test Design, Test Data Management, Microsoft Azure, Databricks, Big Data Validation, Talend ETL, UNIX, Oracle SQL.
  - ***Achievements:*** Carried out End to End System Integration Test Executions solely in different environments involving multiple components, Created Test Plan for 2nd part of the project, Planned Test Executions accordingly with performance and operational test teams thereby helped project to avoid escalations and made sure Business requirements are fulfilled.
  - Closely working with Business analysts and used the JIRA tool to track, maintain, and log test cases, defects, and executions.

Cognizant Technology Solutions   Coimbatore, India
Intern   February 2021 – June 2021

- Engaging with Supervisor and SMEs to discuss the day-to-day updates, attendance, performance, and Queries of the cohort members as a Cohort Representative.
- Creating a Test plan to automate test scenarios using TestNG and Cucumber BDD framework (Maven) in real-time web application and publishing it GitHub repository, and scheduling test runs using Jenkins.
- Participating in the hackathon to implement automated test scripts in one of the modules of the cognizant mainspring web application and performed cross browser testing.
- Participating in webinars with multiple SMEs and Communication experts to improve my technical and interpersonal skills widely.

Technical Skills

Programming Languages: C, Python, Java	**Analysis / Statistical Tools:** MS Excel, Power BI, Adobe Analytics, Minitab
RDBMS: Oracle SQL, MySQL	**Version Management Tool:** Git
Cloud Knowledge: Microsoft Azure	**ETL Tool:** Talend

Machine Learning Knowledge:
- Time Series Analysis –Moving Average, Exceptional Smoothing, ARIMA
- Supervised & Unsupervised Learning Algorithms– Linear Regression, Logistic Regression, Decision Tree, Random Forest, K- Nearest Neighbour, K-means Clustering

Certifications

- Microsoft Certified: **Azure Fundamentals Az-900** Professional.
- **Specialization in Digital Manufacturing and Design Technology** on **Coursera** offered by The State University of New York.
- Certified **Lean Six Sigma Yellow Belt** by Ministry of Micro, Small, and Medium Enterprises (MSME).
- National Programme on Technology Enhanced Learning
    - **Work system Design** with Elite+silver grade conducted by IIT-Roorkee
- Cleared **National Qualifier Test** (NQT) conducted by TCS, 2021.
- Secured B1 Level in **Business English Certification** (BEC) Preliminary conducted by Cambridge English Assessment.
- Secured C1 Advanced Level in **EF SET Standard English Test**.

Online Courses

- **Industrial IoT on Google Cloud Platform** on Coursera offered by Google Cloud.
- **Acquiring Data** on FutureSkillsPrime offered by **Accenture** to understand big data Terminologies, Data frames using Pandas for data analysis, and the need for Data Validation.
- **Data Analytics for Lean Six Sigma** on **Coursera** offered by the University of Amsterdam.
- **Python for Data Science and Machine Learning Bootcamp** on Udemy.

Academic Projects

Evaluation of ADC-12 Aluminium alloy on different furnaces   2021

- The objective of this project is to give a clear understanding of the economical, purity, and maintenance aspects of   ADC-12 on four different types of furnaces commonly used by industrialists.
- Gathered data from Multiple machine shops, Foundries, and Casting Industries to understand cost expenditure, profit, and business needs.
- Found the composition of metal samples collected from different industries using Optical Spectroscopy.

Design and Fabrication of Multi-crop Irrigation Maintenance System   2020

- The objective of this project is to assist the small-scale farmers with the help of IOT devices to overcome their difficulties in maintaining the different crops with the smart irrigation system.
- Collected real-time data from various Moisture and Temperature sensors to compare with Threshold conditions for water supply.
- Implemented in small-scale vegetation field and observed the advantages and short comes.

Activities

- **Cognizant Artificial Intelligence Virtual Experience** Program Participant.
  • **Task Included**: Exploratory Data Analysis, Data Modeling, Model Building and Interpretation, machine Learning production, and Quality Assurance.
- Participated in **Ideathon** conducted by **Infosys – Summer of Ideas**   2020
  • Presented a Project idea as a team of people from different countries under the topic **"Blockchain for 5G"**

Education

Sri Ramakrishna Engineering College   Coimbatore, Tamil Nadu, India
B.E – Mechanical Engineering – 8.6 CGPA   2017-2021
Relevant Coursework: Operations Research, Industrial Engineering & Cost Estimation, Data Analytics, Machine Learning.

Kadri Mills Higher Secondary School   Coimbatore, Tamil Nadu, India
Higher Secondary – 93.25 %   2016-2017
SSLC   – 98.80 %   2014-2015