Surya Suresh Nair

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PROFESSIONAL SUMMARY

Versatile professional with 4+ years of experience in ETL processes, manual & automation testing, & people-focused roles. Proficient in Python, SQL, Java, AS400, Selenium & Jenkins, delivering solutions in Agile environments.

SKILLS

Programming Languages: Java, Python, SQL, R, C++

Libraries and Tools: TensorFlow, Tableau, Power BI, Keras, Pandas, NumPy, scikit-learn, Git/GitHub, Jupyter, SQL, NLTK, D3.js, NoSQL, Selenium, Cucumber, JUnit, TestNG, Jenkins, Postman, LoadRunner, QGIS, AWS, Docker

ML Architectures: CNN, SVM, Decision Tree, Random Forest, Logistic Regression, Transformers (BERT), Large Language Models (LLMs like GPT-3, Llama 2), RNN, LSTM, GAN, GBM

PERSONAL PROJECTS

- **Used-Car Price Prediction using Decision Tree and CNN**: Formulated a hybrid ML model combining CNNs and decision trees to predict used-car prices with 95% accuracy, incorporating image data and market trends. ⌨ Link
- **Coronavirus Visualisation**: Assembled an interactive dashboard utilizing *HTML, CSS, JavaScript*, and *D3.js* to track COVID-19 spread and vaccine data, facilitating the analysis of pandemic impacts on a global scale. ⌨ Link
- **Automation Testing Framework**: Built an automated testing framework using *Cucumber, Selenium*, and *JUnit*, adhering to *POM* and *BDD* principles. Automates key features like user account management, subscriptions, contact forms, and product management, with a modular design and scope for future enhancements. ⌨ Link

EXPERIENCE

Systems Engineer

Infosys Limited, Kerala, India　　　　　　　　　　　　　　　　　　　　　　*July 2019 - September 2023*

- Led the development of a project utilising AS400, RPG programming, and CL, driving the team through Agile practices to deliver robust, efficient solutions while ensuring alignment with project goals.
- Developed advanced SQL queries for data integration, enhancing analysis capabilities by 20% through complex data modelling, ensuring data integrity, and applying strategic data mining techniques.
- Automated testing using Selenium with Java and Python, conducted manual unit and functional tests, and managed BRD analysis, user stories, test case creation, and technical documentation.
- Architected and optimized ETL processes using IBM DataStage, enhancing data cleaning and preparation workflows, reducing retrieval times by over 30%, and ensuring high data quality.
- Created an Excel-based data preparation tool, improving accuracy and reducing setup time by 40%.
- Utilized Jenkins to automate and schedule batch runs of test scripts as part of CI/CD processes, enabling continuous testing and fast feedback for improved code quality and deployment efficiency.

CERTIFICATIONS

Foundations of Software Testing and Validation	*Professional Certificate	Coursera	Oct 2024*
Introduction to Test and BDD	*Professional Certificate	Coursera	Oct 2024*
Infosys Certified Devops Professional	*Professional Certificate	Infosys	June 2022*
Infosys Certified Python Developer	*Professional Certificate	Infosys	July 2023*

EDUCATION

NMIMS	**Mumbai, Maharashtra, India**
PGDBM in Information Technology and System Management	*Expected Graduation: December 2024*
Kristu Jyoti College Of Management And Technology	**Kottayam, Kerala, India**
Bachelors in Computer Applications - CGPA: 7.68/10.0	*September 2016 - March 2019*

AWARDS

- Awarded the **"Insta Award"** for contributions to the BlueDC project.
- Awarded the **"Rise Award"** for exceptional service and innovation in E-commerce HighJump Project.