CHANDRA PRAKASH RAO BOINAPALLY

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Career Profile

Master's in Engineering Data Science at University of Houston with 3 years 5 months of diverse IT experience includes various roles as Automation Engineer, Python Developer, Ansible Developer, Automation Test Engineer, SQL Engineer, Machine Learning Engineer proficient in python module Development. Applying as Intern where I Aspire to contribute my expertise to a dynamic and growth focused organization, aligning my skills with their goals for mutual success.

Education

University of Houston   **January 2023 – December 2024**

Master of Science in Engineering Data Science   *Texas (TX), USA*

GITAM UNIVERSITY   **June 2015 – April 2019**

Bachelor of Technology in Electronics & Communication Engineer   *Andhra Pradesh, India*

Academic Projects

University of Houston   **January 2023 – Present**

- Preprocessed a dataset with 10 attributes and 5473 instances for page block classification. Excelled in feature engineering, cleaned data meticulously, and analyzed it for valuable insights.
- Applied advanced sampling techniques to recognize and address imbalanced datasets effectively.
- Deployed machine learning models with variable selection and bidirectional elimination methods successfully.
- Processed countries dataset using Python and Tableau's built-in features performing preprocessing.
- Used Tableau for Demonstrating the transformative impact of data visualization tools in showcasing insights and narratives from diverse dataset of countries.

Experience

LTI Mindtree Ltd   **March 2022 – December 2022**

Senior Software Engineer   *Bangalore, India*

- Conducted regression analysis by debugging, identifying anomalies in IMM GUI of Cisco Intersight. Reported and rectified defects in automation test cases and optimized modules
- Written and Updated automation code to accommodate feature modifications. Generated additional testcases and expanded automation scripts.
- Leveraged QALI INFRA library in automation script, addressing specific defects and accommodate GUI changes.
- Developed Ansible playbook in yaml, Orchestrating test environment provisioning and streamlining automation scripts.

HCL Technologies   **August 2019 – February 2022**

Member Technical Engineer   *Vijayawada, India*

- Developed custom Ansible modules in Python for DELL EMC VPLEX, simplifying provisioning and enhancing efficiency.
- Tested modules and playbooks across various Linux distributions, Python versions, and Ansible iterations for robustness.
- Achieved REDHAT certification and published Ansible modules on ANSIBLE GALAXY GitHub repository GITHUB
- Created Hands-On Lab module demonstrating VPLEX operational efficiency with Ansible.
- Optimized VPLEX system configuration process using Python and Ansible, improving deployment efficiency.
- Authored unit tests and test cases using VATS framework to validate VPLEX configurations using Billspec file.

Skills

Programming Languages: Python, C, C++, JavaScript, Pandas, Numpy, Pandas, Matplotlib, Seaborn, Tensorflow, Keras

Database: SQL, MYSQL, NOSQL, MongoDB, Database Management Tools, Software Testing, Debugging

Automation Tool/ Scripting Language: Ansible, Yaml

Front-end Tech/ Framework: Html, CSS, Bootstrap/ Django

Paradigms: Problem Solving, Data Analysis, Agile Methodology, Data Visualization, Data Processing

Operating system: Windows, Linux

Others: Machine Learning, Document Object Model, Tableau, Object Oriented Design, Test Engineering

Tools: Google Colab, Jupyter, Vscode, JIRA, Confluence, Postman, Jenkins, Excel, Microsoft office

Version Control System: GitHub, Git, Bitbucket

Certifications

PYTHON, SQL - Basic, SQL - Advanced, C Basic, C - Intermediate