POOJA GAURAV

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EDUCATION

Master of Computer Science   Expected May 2021
University of Texas, Arlington
Coursework: Machine Learning, Data Mining, Neural networks, Algorithms, Data Analysis and Modelling Techniques, HLAI
GPA: 3.66/4

Bachelor of Technology, Information Technology   Jul 2008 – May 2012
College of Technology, G.B.P.U.A.T, India
Relevant Coursework: Operating Systems, Database Management Systems, Theory of Computing.
GPA: 7/10

TECHNICAL STRENGTHS

Languages   - Python, Java, SQL, Hive, OATS (Oracle Application Testing Suite), HIVE, Pig, Spark
Database   - MS SQL Server, MySql, PostgreSQL
Tools   - AWS, Map-Reduce, Jenkins, Hadoop, Git, Selenium, REST API, JIRA, Open Script, Google Analytics, Power Bi
Data Analysis - Pandas, NumPy, Scikit-learn, Tensorflow, PyTorch, Keras, Matplotlib, Google Colab, Jupyter Notebook, CNN

PROFESSIONAL EXPERIENCE

FedEx Services (Memphis, USA), Data Analysis Intern.   Sep 2020 – Nov 2020
- Designed a dashboard for monitoring testing activities in Power BI
- Extracted, cleaned and processed data for analysis
- Created CI/CD pipeline using groovy script and Squish in Jenkins.

Oracle India Pvt Ltd (Bangalore, India), Quality Assurance Engineer   Jan 2018 – June 2019
- Designed and implemented the core function libraries of an internal testing framework.
- Performed unit and API testing on cloud application called FusionLoyalty.
- Defined quality standards and metrics for the product test plan.
- Collaborated with Product Managers and Development Manager to ensure on-time delivery of the project.
- Participated in writing, executing and monitoring automated test suits.

LAVA International Ltd (Bangalore, India), Senior Quality Engineer   May 2013 – Dec 2017
- Designed a GCM push notification interface using Falcon Framework and REST architecture in python.
- Performed data analysis on the user behavioral pattern for Gamestore app which increased application usage by 40%.
- Designed and tested multimedia module and mobile application of over 50 smartphone/tablet models in platforms such as Qualcomm, Broadcom, and MediaTek.
- Created test plans and automation scripts in Java using Selenium and Appium

PROJECTS

COVID-Tracker App (Ongoing)
Developing an android application to track and alert users of nearby COVID-19 positive people. It also allows users to contact the health facilities and get updates on the pandemic situation.

Emotion Detection using Deep Learning
Developed a mechanism for detecting emotions in images with Convolutional Neural Networks using Python.

Sentiment Analysis System
Developed a python-based sentiment detection tool to classify and interpret emotions within text using Naive Bayes algorithm.

SP-Share
Developed a python-based web-application with Postgres backend, which allows users to create groups and share content (photos and videos) within a specific group.

Data Structures and Algorithms
Designed a Text Editor based on AVL trees and designed an increase key mechanism with O(log n) complexity.