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, JavaScript, SQL, Hive, OATS (Oracle Application Testing Suite), Pig, Spark, HTML
Database	- MS SQL Server, MySql, PostgreSQL
Tools	- AWS, Jenkins, Hadoop, Git, REST API, Power BI, Selenium, Appium, JIRA, BugDB, PyCharm
Data Analysis	- Pandas, NumPy, TensorFlow, Keras, Matplotlib, Google Colab, Jupyter Notebook

PROFESSIONAL EXPERIENCE

FedEx Services (Memphis, USA), Graduate Intern.   Sep 2020 – Nov 2020
- Developed a performance dashboard for tracking projects and sharing update with administration and product team.
- Extracted, cleaned and processed data for analysis using SQL, API using NumPy, Pandas and Matplotlib
- Created CI/CD pipeline using groovy script and Squish in Jenkins.

Oracle (Bangalore, India), QA Analyst   Jan 2018 – June 2019
- Designed and implemented the core function libraries and testing framework.
- Designed database tables and wrote SQL queries to extract data.
- Performed unit and API testing and wrote scripts for cloud application called FusionLoyalty.
- Reviewed requirement documents and created metrics and quality standard for the product test plan.
- Participated in writing, executing and monitoring automated test suits in python.

LAVA International Ltd (Bangalore, India), Software Engineer   May 2013 – Dec 2017
- Designed a push notification system using python and GCM API
- Extracted, cleaned, processed and analyzed user's data using python which increased application usage by 40%.
- Contributed to development of web-based Content Retrieval System.
- Participated in creating and deploying interactive web applications in Java, JavaScript, CSS.
- Wrote automation scripts and created test plans 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. Tools used: Python, Kivy, MySQL, Git.

Emotion Detection using Deep Learning
Developed a mechanism for detecting emotions in images with Convolutional Neural Networks using Python. Tools used: Neural Network concepts, Keras, Tensorflow, Matplotlib, Seaborn, Scikitplot.

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

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. Tools: Python, JavaScript, CSS, Bootstrap, HTML, EC2, RDS.

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