

POOJA GAURAV

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EDUCATION

- Master of Computer Science** Aug 2019 – May 2021
University of Texas, Arlington
Coursework: Machine Learning, Data Mining, Neural networks, Algorithms, Data Analysis and Modelling Techniques, HLAI
GPA: 3.7/4
- 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, Spark, HTML, OATS (Oracle Application Testing Suite)
Database - MS SQL Server, MySql, PostgreSQL
Tools - AWS, Jenkins, Hadoop, Git, REST API, Power BI, Selenium, Appium, JIRA, BugDB, PyCharm, Postman
Data Analysis - Pandas, NumPy, TensorFlow, Keras, Matplotlib, Google Colab, Jupyter Notebook

PROFESSIONAL EXPERIENCE

- FedEx Services** (Memphis, USA), Graduate Intern. Sep 2020 – Nov 2020
- Created a CI/CD pipeline for PScan tool using groovy script in Jenkins.
 - Developed a dashboard for tracking projects using Version One REST API and Power BI. Extracted and cleaned data using NumPy and Pandas.
- Oracle** (Bangalore, India), QA Analyst Jan 2018 – June 2019
- Designed and implemented the core function libraries and testing framework in Java.
 - Performed unit and API testing and wrote scripts for cloud application called FusionLoyalty in Java.
 - Reviewed requirement documents and created metrics and quality standard for the product test plan.
 - Participated in writing, executing and monitoring automated test suits in Java using OATS framework.
- 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 Gamestore's user data using python which increased application usage by 40%.
 - Developed a web-based application to track module testing for mobile phones using Python and Flask.
 - Wrote test automation scripts in Java using Selenium and Appium

PROJECTS

Sorting Visualizer

Developed a sorting visualization using JavaScript - <https://poojagaurav3.github.io/sorting.html>

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.

SP-Share

Developed a python-based web-application, which allows users to create groups and share content (photos and videos) within a specific group. Application was deployed in EC2 and Postgres (AWS RDS) was used as database.

Sentiment Analysis System

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