Swati Damele

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EDUCATION

The University of Texas at Arlington, Arlington, TX   **May 2022**
Master of science, Computer Science (with Specialization in AI)   *GPA: 3.75*
Relevant Coursework: Neural Networks, Artificial Intelligence, Data Mining
Rajiv Gandhi Prodyogiki Vishwavidyalaya, Bhopal, India   **May 2011**
Bachelor of Engineering, Information Technology   *GPA: 3.75*

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, C, C++, PL/SQL
Machine Learning: Numpy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch
Database: Oracle, Microsoft SQL Server, MySQL, DB2, MongoDB, PostgreSQL
Big Data: Hadoop Ecosystem (HDFS, MapReduce, Spark, pig, hive)
Cloud Technologies: AWS , Google Cloud Platform
Version Manager: GitHub, CVS
Software: Netbeans, Eclipse, IntelliJ, Toad, SquirreL

ACADEMIC PROJECTS   Jan 2021 – Sep 2021

Garbage Classification using CNN *(Tools: Python - numpy, matplotlib, tensorflow)*
- Developed an app to clasify garbage items by capturing their images
- Applied CNN for image classification with an accuracy of 97%

Sentiment Analysis on movie reviews *(Tools: Python - pandas)*
- Performed sentiment analysis using Naïve Bayes Classifier and accurately predicted top 10 positive and negaive words
- Applied laplase correction to further improve results

Twitter Data Analysis *(Tools: Map Reduce, Spark, Pig, Hive)*
- Collected data of who follows whom from Twitter app
- Performed grouping the users by the number of users they follow
- For each group, calculated the number of users belonging to that group
- Performed this grouping using Map reduce with java, Spark, Pig and Hive and analysed the complexity and performance in each case.

WORK EXPERIENCE

Tetrasoft, Hyderabad, India   **Apr 2018 – Nov 2020**
Module Lead
- Performed sentiment analysis on customer emails using NLP to predict their state of mind facilitating the tool for better customer relations
- Developed an authorisation module for handling health insurance of new born babies thereby increasing the processing efficiency by 80%
- Mentored 4 new joiners in team as part of onboarding process

Pegasystems, Hyderabad, India   **Aug 2014 – Apr 2018**
Senior Solutions Engineer
- Designed search fuctionality using Elasticsearch in Pega PRPC Product making the product search 10x faster
- Developed data extraction tool named BIX as an add on product with Pega PRPC making data extraction possible in Pega without any integration

Infosys Limited, Hyderabad, India   **Aug 2011 – Apr 2014**
Systems Engineer
- Enhanced the banking software Finacle by improving it in terms of database and security

ACHIEVEMENTS

- Star award for excellent efforts for on-time delivery of high priority tasks
- GEM Award for being the key performer for the organization