Pranith Kumar Raparthi

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Education

Stony Brook University, New York, Stony Brook **Expected Graduation: December 2022**
Master of Science, Computer Science *3.8/4*
- Courses: Data Science Fundamentals, NLP, Artificial Intelligence, Theory of Database Systems, Probability and Statistics

Chaitanya Bharathi Institute of Technology, Hyderabad, India **September 2014 – May 2018**
B.E, Computer Science and Engineering *8.46/10*

Technical Skills

Programming Languages: Python, Java, C, C++, Go, R, PHP, SAP ABAP
Databases: Oracle, MySQL, PostgreSQL
Web Development: HTML, CSS, Javascript, React js, Next js, Bootstrap, a-frame
Frameworks: Quarkus, Spring, Spring boot, Bottle, Flask, Kafka, Django
Platforms and Tools: Git, AWS, SAP PI/PO, SAP CPI, SnapLogic, Blue Prism, SAP API Management, IBM Sterling Integrator, Latex
Data Science: PyTorch, Pandas, NumPy, Scikit-Learn, NLTK, SciPy

Work Experience

Office Depot **New York, United States**
Software Engineer Intern *May 2022 - August 2022*
- Owned the development of support center module that allows users to report issues in the warehouse management systems.
- Built micro-services using quarkus framework to interact with the Jira Rest API to raise and update a Jira issue on user request.
- Built backend services in microservices environment using Java and Quarkus deployed in the Kubernetes Azure environment
- Designed and built new front-end module to be incremented in the EOS Toolkit written in React.js

Deloitte USI **Hyderabad, India**
Software Engineering Consultant *August 2018 - August 2021*
- Developed REST APIs as part of middleware team in Java/Python for multiple downstream target applications which need the filtered /transformed data from the source applications.
- Mentored and served as SME to build the skeleton for all interfaces to be reused for the project in the initial development phase.
- Owned the end to end development of the supportability framework (Python) built using Snaplogic and Kafka to reprocess all the failed pipelines/interfaces in the project.
- Worked on ABAP to develop, test, implement and maintain application software within all phases of software development lifecycle. Implemented RESTful web services to perform CRUD operations on vendor data for downstream applications. Worked in an Agile environment which involved refinement sessions and retrospective meetings.
- Developed an application to analyze the business contract documents using NLP techniques using python.

Projects

Handwritten Text Recognition *Apr 2022*
Built a module to extract key value pairs from a standardized document with handwritten text using AWS Textract. Used computer vision techniques to remove printed text and background noise from a filled document to retain handwritten text.

Data Analysis on Rossmann Stores Sales *Oct 2021*
Performed data analysis on the Rossmann Stores Sales dataset from kaggle to analyse the trend in sales and the factors affecting the sales. Used numpy, pandas and regression based models to predict the sales of the Rossmann stores.

Transition based Dependency Parser *Oct 2021*
Implemented the Neural Network based Transition Parsing system using the ARC standard algorithm to generate dependency parse tree and predict correct transition based on features generated.

Voting Use-case using Smart-Contracts in Blockchain *Apr 2018*
Implemented the use case(Distributed voting system) of Smart-Contracts through blockchain technology using ganache for ethereum base , web3js as interface and solidity language for writing smart contracts. Used material JS for frontend and UI.

Real Time Aspect Based Sentiment Analysis on Consumer Reviews *Nov 2017 - Feb 2018*
The goal of the project is to capture real time consumer reviews and identify sentiments expressed about each Entity and their Aspects. Implemented in python and hosted on AWS. Published a Research paper on the same (Real Time Aspect Based Sentiment Analysis on Consumer Reviews, 2020, Journal: *Data Engineering and Communication Technology, 2020*. DOI: 10.1007/978-981-15-1097-7).