SAI SHASHANK PANGULURI

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EDUCATION

Bachelor's in Computer Science- VNRVJIET(Sep 2014 – May 2018)
GPA - 8.45/10
Courses: C, C++, Java, Python, DBMS, Software Engineering, Data Structures and Algorithms, Computer Organization, Introduction to Artificial Intelligence.

SKILLS

Languages Known	**:** Python, Java, C, C++, JavaScript.
Framework	**:** Django**.**
IDE and Tools	**:** Git, Jenkins.
Databases	**:** MySQL, DBMS.
Operating System	**:** Windows, Linux.

EXPERIENCE

- **INTERN – TCS (June 2018 - Sep 2018)**

Developed a project called "EXPEDIA HOTEL RECOMMENDATIONS" and the main objective is to contextualize customer data and predict the likelihood the user can stay in different hotels.

Technologies: Python, Pandas, Matplotlib, Naive Bayes Algorithm, Keras, TensorFlow.

- **PYTHON AND DJANGO DEVELOPER – TCS (Sep 2018 – Dec 2021)**

Responsible for development and maintenance of Python Django based Web Application for a Telecommunication based company called Ericsson which follows Model View Template architecture along with REST API's. Also made a detailed study on Python Static Analysis Tools and developed the script to scan the python files in the web application using Pylint Tool.

Technologies: Python, Linux, Django Framework, MySQL, REST API's, JavaScript, HTML, CSS3, Git, Gerrit, Jenkins.

PROJECTS:-

- **Android Application for conversion of Image to Text (Aug 2017-Dec 2017)**

Text recognition in image is a research area which attempts to develop a computer system with the ability to automatically read the text from images. These days there is a huge demand in storing the information available in the paper documents format in a computer storage disk and then later reuse this information by searching process.

One simple way to store the information from these paper documents is to first scan the documents and then store them as images. But to reuse this information it is very difficult to read the individual content and search the contents from these documents line by kine and from word to word.For this purpose we need a app for digital image analysis(DIA) which transforms document in paper format to electronic format.

Technologies: Android Studio, OCR(Optical Character Recognition), Content-based Image Indexing, Text Information Extraction(TIE), Image Thresholding, Tesseract, Line Funding, Baseline Fitting, Linguistic Analysis, Image Size Normalization.

- **Twitter Segmentation and it's application to Named Entity Recognition(NER) (Jan 2018 – May 2018)**

This project is implemented with a novel framework for tweet segmentation in Batch mode, called HybridSeg. By splitting tweets into meaningful segments, the semantic or context information is well preserved and easily extracted by downstream applications. By using this high accuracy is achieved in NER by applying segment based parts-of-speech(POS) tagging.

Technologies: J2EE, HybridSeg, JVM, JavaScript, JDBC, HTML, JDBC-ODBC Bridge, JSP, Natural Language Processing(NLP), Entity Linking(EL), Pseudo Feedback, POS tagging, NER, Clustering, Summarization, Ranking, Lemmatization, Tokenization Sentence Segmentation, MySQL, IDE:EditPlus .