

SANDEEP SUNIA

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EMPLOYMENT

Center of Excellence in Wireless and Information Technology (CEWIT)

Research Assistant

June 2017 – August 2017

- Created Conference Management Admin Panel to add, update and upload data for 3 day Annual Conference of Empire State Development's Division of Science, Technology and Innovation (NYSTAR) held on 24th Oct 2017.
- Developed REST based Apis for android and ios apps of Conference Management App.
- Technologies – NodeJs, ReactJs, PostgreSQL, JQuery, HTML5

InfoEdge India Ltd.(naukri.com)

Lead Engineer

April 2014 – July 2016

- Apart from development, responsible for team management, monitoring, reporting and timely execution of projects leading a team of 3-5 engineers.
- Implemented Lucene Search Engine for Job/User search replacing Sphinx Engine minimizing search time.
- Architected mailer management system using Ecelerity to track delivery of mails reducing delivery time and mail dropouts considerably by 30%.
- Created different mailers for website while handling end to end till delivery, optimizing the sending process and building feedback mechanism for over 100 million users weekly.

InfoEdge India Ltd.(naukri.com)

Senior Software Engineer

April 2013 – March 2014

- Introduced Redis cache management for jobs decreasing job fetching time significantly by 70%.
- Implemented Continuous Deployment using Jenkins, Jira and Gitlab throughout site for all modules automating deployment process and reducing deployment time.
- Built Job swapping mechanism and users activation mechanism for Job portal to make Jobs and Users live after automated screening.
- Developed Mobile Site in HTML5 and REST based APIs to be used in Android and iOS apps increasing overall site traffic.

InfoEdge India Ltd.(naukri.com)

Software Engineer

October 2011 – May 2013

- Designed and implemented translation mechanism for the Job portal running in multiple languages using google Api acquiring users from multiple dialects.
- Developed Job Posting form/feature/system in recruitment portal implementing Drafts feature reducing form dropouts appreciated by recruiters.
- Creation of location-based tracking management system to log all clicks on portal and field-based time tracking improving forms customizing fields where users take more time to fill.

TECHNICAL SKILLS

Languages: Python, PHP, C++, Perl, Java, Bash, Scala, Ruby

Web Technologies & Frameworks: JavaScript, jQuery, NodeJs, HTML5, CSS3, REST API, Symfony, Rails, Flask, Django

Other Technologies: Spark, Hadoop, AWS, Scikit-Learn, VMware, Docker

Database: MySQL, SQLite, Mongo, PostgreSQL

Tools: Git, Svn, Jira, MATLAB, Vim, Visual Studio, PyCharm, Eclipse, Android Studio, Zabbix, Jenkins, Pandas, Numpy

Operating Systems: Linux/Unix, Windows, Mainframes

EDUCATION

Stony Brook University, Stony Brook, NY

Master of Science - Computer and Information Sciences

August 2016 – December 2017

Graduate Coursework: Data Science, Artificial Intelligence, Big Data Analytics, Natural Language Processing, Visualization, Operating Systems, Algorithms, Computational Geometry

Indian Institute of Information Technology, Allahabad, India

Bachelor of Technology - Information Technology

GPA: 7.22/10

July 2007 – May 2011

PROJECTS

Text Summarization Tool (Python, NLTK, Scikit)

- Created text summarizer tool to evaluate relative performance of different Artificial Intelligence methods like SVD, Text Rank and K-means.

Realtime Flight Delay Prediction System (Python, Spark, Kafka)

- Developed realtime flight delay prediction system using training [data from US Government](#) and realtime API from [FlightStats](#) website implementing machine learning techniques Decision Trees, Random Forest and Linear Regression.

Frequent Pattern Mining and Recommendation Generation (Python, Spark, AWS)

- Generated frequent item sets using Apriori Algorithm and recommendations using Collaborative Filtering on [Amazon product datasets](#).

Text Classification Tool (Python, NLTK, Scikit)

- Built a classifier to classify datasets in [20 Newsgroup Datasets](#) using different classification techniques (NaiveBayes, Decision Tree, SVM) evaluating their performance to come up with the best one.

Dating Documents (Python, MinHashing, NaiveBayes, TensorFlow)

- Predicting year in which a particular document was written using features like the neologisms, POS Tags and n-grams in the document. Implemented different techniques for making the predictions - ranging from count based methods, to a Naive Bayes classifier, to neural network, to the use of document similarity.

Flight Delay Visualization (Python, Django, Flask, MySql, SQLite, D3js, HTML, JavaScript)

- An exploratory project to analyze and visualize data of flight delays with [data from US Government](#) and realtime API data from [FlightStats](#) to provide more extensive and understandable view of flight delays and their causes.

Shopping Website (PHP, HTML, CSS, MySQL, JSON, REST API, Symfony)

- A web application that queries database and dynamically generates complete item list in the form of web pages and API endpoints. JSON data is sent when the API end points are accessed.
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