

Pradeep Thalasta

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Education

University of Southern California, Los Angeles, California

M.S. IN COMPUTER SCIENCE

August. 2016 - May. 2018

Analysis of Algorithms, Foundations of Artificial Intelligence, Applied Natural Language Processing, Database System.

National Institute of Technology, Karnataka, Surathkal, India

B.TECH. IN INFORMATION TECHNOLOGY

July. 2011 - May. 2015

Data Structures and Algorithms, Data Warehousing And Data Mining, Web Technologies And Applications, Advanced Database Systems, Web Technologies, Web Services, Semantic Web

Computer Skills

LANGUAGES

Java, C, C++, Python, SQL, Shell scripting, HTML, CSS, JavaScript, Cuda

APPLICATIONS/Framework

Eclipse, Git, MySQL, Oracle 11g, Spring, Hadoop, Map Reduce, Cassandra, Redis, Elasticsearch, Kibana, Logstash, RabbitMQ, Kafka

PLATFORM AND OPERATING SYSTEMS

Amazon Web Services, Google Cloud Platform, Unix, Linux, Mac OSX, Windows

Experience

Samsung R&D Institute India-Bangalore

Bangalore, India

SOFTWARE ENGINEER

July. 2015 - July. 2016

- Worked on Server side programming and designed the service architecture as a part of Internet of Things and Smart Assistant Team for **Jifical** application(available on Play Store).
- Implemented MVC design pattern for the server on AWS using different frameworks like Spring MVC, Hibernate, Java, Cassandra, Machine Learning and Natural Language Processing.
- Filed **Patent** Application on Multi-touch gestures for applications on devices with curved edge displays.
- Obtained **Most Promising Idea Award** during intra division Hackathon.

Samsung R&D Institute India-Bangalore

Bangalore, India

SOFTWARE ENGINEER INTERN

May. 2014 - July. 2014

- Designed and developed an Android based testing application to check the accuracy and correctness of the application's output.
- Involved different APIs and frameworks based on Android platform and Java.
- Automated testing using the designed application and measured the accuracy of the details provided by the applications being tested.

Projects

Sentiment Analysis of Hotel Reviews

Los Angeles, USA

NATURAL LANGUAGE PROCESSING

January. 2017

- Implemented **Naive Bayes Model** for analysing the reviews in python.
- Implemented word tokeniser using regular expressions to extract meaningful words from the corpus.
- Reviews were classified as truthful positive, fake positive, truthful negative and fake negative.
- Obtained F1 score of 0.94.

Web Service Discovery and Recommendation

Surathkal, India

RESEARCHER FOR WEB SERVICE DISCOVERY.

July. 2014 - May. 2015

- Designed and implemented Web Service Discovery and Recommendation to the user.
- Involved skills on **Machine Learning and Natural Language Processing** using Python and MongoDB.
- Enhanced the efficiency and correctness based on clustering and classification of web services.

A Graph Based Technique to Find Common News Contents From Multiple News Sources

Surathkal, India

RESEARCHER FOR DATA MINING AND INFORMATION RETRIEVAL

January. 2014 - April. 2014

- Designed and implemented a graph based algorithm to find the common news contents.
- Involved skills on **Natural Language Processing, Machine Learning and Data Mining** using Java, MySQL and web crawlers.
- Improved the correctness of the results using graph based techniques.
- Enhanced and proposed a new method to find common news contents from different sources.