

Pradeep Thalasta

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Education

University of Southern California, Los Angeles, California

M.S. IN COMPUTER SCIENCE

August. 2016 - May. 2018

National Institute of Technology, Karnataka, Surathkal, India

B.TECH. IN INFORMATION TECHNOLOGY

CGPA: 8.63

July. 2011 - May. 2015

Computer Skills

LANGUAGES

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

APPLICATIONS

Vi/Vim, Eclipse, Git, VMWare, VirtualBox, MySQL, Oracle 11g, Sublime Text, Cassandra, Redis, Elasticsearch, Kibana, Logstash, Kafka, Microsoft Office.

OPERATING SYSTEMS

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 the 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.
- Wrote Unit Test cases and Integration Test cases for the application written using JUnit and JMeter.
- Filed a **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

STUDENT TRAINEE 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

Undergraduate Research, Web Technology and Wireless Sensor Networks

Surathkal, India

RESEARCHER FOR ENERGY EFFICIENT IMAGE COMPRESSION IN MULTIMEDIA WIRELESS SENSOR NETWORKS UNDER

July. 2014 - May. 2015

THE GUIDANCE OF DR. GEETHA V

- Researched on enhancing overall lifetime of the network based on the technique of Region of Interest and scheduling.
- Compared and Enhanced the energy utilisation of the existing compression techniques like SPIHT, JPEG 2000 and JPEG XR.
- Implemented prototype to compress and transmit image data from remote location with minimal consumption of energy using Matlab, C, ns2.
- Enhanced the overall lifetime of the entire network by 30%.

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

Surathkal, India

RESEARCHER FOR DATA MINING AND INFORMATION RETRIEVAL UNDER THE GUIDANCE OF DR. SOWMYA KAMATH

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.