

DILIP MALLYA KASARGOD

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EDUCATION

Arizona State University, Tempe, Arizona

CGPA : 3.42

M.S. IN COMPUTER SCIENCE

Expected May 2018

Coursework : Distributed Database Systems, Data Mining, Foundation of Algorithms and Software Security.

National Institute of Technology, Karnataka, Surathkal, India

CGPA : 7.37

B.TECH. IN INFORMATION TECHNOLOGY

July 2011 - May 2015

TECHNICAL SKILLS

LANGUAGES

Java, Python, C/C++, C#, Javascript, Scala and Shell Script.

WEB AND DATABASES

HTML5, CSS3, jQuery, Ajax, MySQL, MongoDB and PostgreSQL.

OTHER TECHNOLOGIES

Vi, HP UFT, Eclipse, REST, Hibernate, Nano, Git, VirtualBox, Visual Studio, Jenkins, Wireshark, Sumologic.

EXPERIENCE

Reputation.com

Tempe, Arizona

SOFTWARE ENGINEERING INTERN, CO-OP

Jan 2018 - Present

- Implemented software services handling the customer-centric application/data failures.
- Implemented **automation** of service availability of **micro-services** of Reputation.com's core business logic.
- Analyzed and automated KPIs of micro-services using **machine learning** techniques on **SumoLogic**.

The Spatial Analysis Research Center (Chain-builder.net)

Tempe, Arizona

STUDENT SOFTWARE DEVELOPER

May 2017 - Dec 2017

- Scrum Master** for the Product Development team. Created and distributed user stories using git-lab. Conducted **weekly, daily and product backlog meetings**.
- Developed a rainfall data model to compile data of 90 stations using the **Rest API** to calculate the routes required to maximize the efficiency of reservoirs around the stations using **PHP** and **Javascript**.
- Created enhancements to the Chainbuilder platform to incorporate widgets, visualization and file uploads to increase functionality and user experience using **PHP** and **Javascript** libraries such as **D3.js** and **Amcharts**.

Amadeus Labs

Bangalore, India

SOFTWARE ENGINEER

July 2015 - July 2016

- Developed Flight Data Store for Airport Operational Database and SQL **query optimization** for UFIS Airport Solution using **Java** and **SQL**.
- Created a customer configuration module to increase efficiency of the Flight Data Store module by 0.6 s.
- Designed and implemented Airport History module to persist incoming message from Flight Operation Module and deliver a computed response to the front-end through **REST APIs**.

Tata Consultancy Services Philippines and Infor Philippines

Manila, Philippines

SOFTWARE DEVELOPER INTERN

May '13 - June '13 and May '14 - July '14

- Developed Fan online module for the Entry-Exit Card System to solve the time-sheet problem using **HTML**, **CSS** and **Javascript**.
- Created a customized algorithm to calculate total time spent in office by excluding exit timings during office hours.
- Created and automated the entire Infor CRM module using 230 **HP-UFT** and **Javascript** test cases.

PROJECTS AND PUBLICATIONS

Sociopedia

AN INTERACTIVE KNOWLEDGE BASED ENGINE FOR SOCIAL MEDIA ANALYSIS.

- Built a knowledge engine to forecast popularity changes using a **natural language query** that infers relationships using an **ontology** of Twitter data, to provide marketers an overview of the overall performance of their product on social media.
- Integrated modules to perform **sentiment analysis** and **auto escalation** to add meaningful contribution to the analysis.

Geospatial Computation using Hadoop Clusters and Apache Spark

GEOSPATIAL COMPUTATION OF GETIS-ORD STATISTIC USING HADOOP CLUSTERS ON SPARK

- Developed a **Spark** program to calculate the Getis-Ord statistic of NYC Taxi Trip datasets(1.8 GB Dataset) using 4 **Hadoop clusters**.
- Implemented using the **Getis-Ord statics** by finding the z-score of the data points to calculate the starting point of the top 50 hotspots.

Publications

TENSYPM AND ICACNI

- Ontology based Approach for Event Detection in Twitter Datastreams**, May 2015 · IEEE Region 10 Symposium TENSYPM 2015, Ahmedabad
- Sociopedia: An Interactive System for Event Detection and Trend Analysis for Twitter Data**, June 2015 · 3rd International Conference on Advanced Computing, Networking and Informatics;