# Sethuram Ramalinga Reddy

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## Summary

- Pursued master's in computer science with Specialization in Data Science in **Trinity College Dublin**, Ireland.
- Software professional with around two years of experience in implementing various highly scalable web applications using JAVA/J2EE technologies in Banking and Financial Services.
- Experience in all phases of Software Application Development Life Cycle Process.
- Excellent skills in understanding business need and converting them into technical solutions.

## Education

*Trinity College Dublin, Dublin 2, Ireland* *Sep 2017 – Sep 2018*
*Master's in computer science – Data Science* *1:1 honor*

**Key Modules:** Machine Learning, Data Analytics, Scalable Computing, Optimisation Algorithms for Data Analysis, Applied Statistical Modelling, Data Visualization, Text Analytics, Information Retrieval & Web Search and Security & Privacy.

**Thesis Title :** Measuring the *Dedication* of the software developer using GitHub.

**Thesis Objective:** Building an Expert System with human reasoning capabilities of measuring the dedication of the software developer.

*Sri Sairam Institute of Technology, Anna University, Chennai, Tamil Nadu, India* *Sep 2011 – May 2015*
*Bachelor of Engineering in Electronics & Communication* *1:1 honor*

**Thesis Title:** *Vision Based Measurement using Digital Image Processing.*
**Thesis Result:** Completed the prototype with successful execution of the theoretical principles.

## Skills Profile

- *Programming Languages:* Java, R, Python

- *Hadoop Ecosystem Components and Search Engines:* Oozie, Sqoop, Flume, Pig, Hive, Impala, HBase, MapReduce, Solr and Apache Lucene.

- *UI Frameworks and Logging Frameworks:* Angular-Material JS, Angular JS, jQuery, JavaScript, Bootstrap, CSS3, HTML, Less JS, Grunt JS (Task Runner), Log4j

- *Databases and Operating Systems:* Oracle 11g, PostgreSQL, Mongo DB, Windows and Unix

- *Data Integration and Data Visualization Tools:* Informatica, Ab initio, DataStage, Tableau and D3 JS

- *Machine Learning and Sentiment Analysis Toolkits:* Scikit-learn, Google NLP API.

- *Fuzzy system Toolkits:* MATLAB and Scikit-Fuzzy

# Professional Experience

*Assistant System Engineer*, *Tata Consultancy Services (TCS)*, *Chennai, India.*  **Sep 2015 – Mar 2017**

**Responsibility:**

- Developed and implemented a TCS proprietary solution called as **Smart Mapper** with Lloyds Bank that enables the source to target mapping, ER model, Data Dictionary and SQL Script for target tables.
- Modernised the existing solution called **Data Health Monitor**, which is a technology-agnostic integrated framework designed to assess, monitor, manage and control data quality across the enterprise.
- Enhanced an accelerator called **Info Bridge** to fit in the Business Process of Santander Bank. This tool is a Dictionary of business terms and its relationship across the enterprise. This bridges the definition of key terms across business and IT.
- Developed an automation tool called **Business Objects Web Companion** to extract all the metadata information's of reports by connecting to the BO server and placing it into the tables which in turn used for various Analytics purpose.
- Developed a **Big Data Ingestion Framework** that extracts data from the variety of sources, e.g., Files, Databases, Event Streams, Log files etc., ingests into one centralised Data Lake within Hadoop Ecosystem and this happens in the same execution framework, and manage metadata of different sources in one place.

**Key Achievements:**

- Rated as one among the **Top 1%** in the annual rating given by TCS.
- Recipient of " **KUDOS** " award for being star performer in the training given by the TCS.

# Certifications

- Received certification in **OCJP-6** (Oracle Certified Java Programmer) from oracle in the year 2015.
- Received certification in **SQL** (Structured Query Language), **JAVA, JEE, Spring and Hibernate** Frameworks from NIIT in the year 2015.
- Received certification in **Big Data and Hadoop Ecosystems** Foundations from TCS in the year 2016.
- Received certification in **Big Data Analytics** from Jigsaw Academy in the year 2017.

# References available on request