

Santhosh Soundararajan

Data Scientist

Dublin, CA - Email me on Indeed: [indeed.com/r/Santhosh-Soundararajan/ffbd54e2cd0864ac](https://www.indeed.com/r/Santhosh-Soundararajan/ffbd54e2cd0864ac)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Data Scientist Intern

MathWorks - July 2016 to December 2016

Built analytics pipeline for MathWorks' BSEAnalytics team to monitor system performance & forecast disk space scaling. Performed statistical modeling on MathWorks' infrastructure log data to design data visualizations and dashboards to help management in making purchase decisions(disk) & system engineers monitor file servers & sandboxes in real time.

- Transformed semi-structured data into time series insights to extract trend & seasonality (R)
- Developed an optimal data pipeline with map-reduce to uncover new features (CouchDB)
- Built cutting-edge visualizations on several complex datasets (D3.js, DC.js, Crossfilter)
- Implemented automated data extraction and cleaning scripts (Python, JavaScript)
- Designed live dashboard with JS Visualization frameworks (D3.js, DC.js, Node.js)
- Query large sets of data from internal databases (SQL, CouchDB)

Software Engineer - Analytics

Wipro Technologies - December 2012 to July 2015

Carried out end-to-end modeling at Wipro HR Analytics team, optimizing PBC Differential & Merit Pay Budget by 6% for the fiscal year 2014-15 by predicting employee performances for annual appraisal.

- Performed exploratory analysis, linear modeling and data visualizations (R, Java, SQL, Tableau, Excel)
- Statistical procedures include Hypothesis tests, Chi-squared, Student t-test, ANOVA & Regression
- Executed ETL tasks on employee data from organizational warehouse & cleaned datasets for analysis
- Streamlined a highly complex data processing that saved 85% of data processing time for ~1M records
- Applied agile methodology to develop solutions maintaining tight cycles of testing and bug fixing

EDUCATION

MS in Data Science

Indiana University

May 2017

B.Tech. in Information Technology

Sri Krishna College of Technology

May 2012

LINKS

<http://www.linkedin.com/in/santhoshsoundararajan>

<http://www.santhoshfiddle.com>

<https://github.com/Santhosh114>

ADDITIONAL INFORMATION

[Skills]: Python, R, JavaScript, Java, SQL, MongoDB, Neo4J, MapReduce, HTML, CSS, intermediate - Scala, Apache Spark;

[Tools]: R Shiny, GGplot, D3.js, Node.js, Tableau, MySQL, AWS, GIT, IPython, NumPy, Pandas, Matplotlib, Scikit-learn