



# Karthick Raja

Data Scientist @ Philips

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## About me

I am a final year Masters student at Indian Institute of Science, Bangalore. I will be graduating in Jun, 2019. Before Masters on Business Analytics, I worked as software developer in Tata Consultancy Services for Media research.

I am big supporter of open source development projects, I have contributed through paperswithcode and some packages. I like to blog, which is available in site karthickrajas.github.io

## Skills

python & R

Tensorflow & pytorch

RDBMS

Statistical modelling

git

(\*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

## Philips Innovation Campus

Currently working as a data science researcher at Philips Innovation Campus in predictive maintenance and precision diagnosis.

## Education

2017-2019	M.mgt Business Analytics CGPA : 8.1	IISc, Bangalore
2011-2015	B.E - Civil Engineering CGPA : 9.2	TCE, Madurai
2010-2011	High school - Maths and Comp.sci Percent : 92.92	DPS, Madurai

## Awards and Recognition

2019	Attended winter school at Clausthal University of Tech., Germany
2019	Won Citi Ideas Challenges for PoC on Graph learning in banking
2018	Won GE DnA Hackathon and was awarded with cash prize of 1000 \$
2018	First prize for presentation in National Conference on Strategic Decision Making - Role of Business Analytics
2015	ILP Kudos, Award for Meritorious People in the training for Business Intelligence, TCS

## Publications

2018	Exploring Abstractive text summarization (under review)
2019	Artificial Intelligence in Banking and Finance Industry (under review)
2018	Data Modelling and Micro-targeting of Voters for Election Campaigns
2015	Experiment study on Hot Rolled Square Hollow sections - IJMCC

## Experience

2019	<i>Data Science Intern</i> Citi India -AIM, Bangalore	1. Working on Reinforcement Learning solution for personalisation of ads at the customer level 2. Developing Recommendation Engine for Liquidity Products for cross selling & upselling opportunities 3. Built and productionalised model for identifying the high potential customer and customer attrition 4. Currently involved in building PoC for Graph learning methods for banking use cases
2018	<i>Data Science Intern</i> GE Digital, Bangalore	1. Responsible for developing tool to summarize compliance documents. The tool utilizes the potential of deep learning models mainly LSTM for Cognitive Intelligence 2. Built a statistical model for understanding the expenditure behaviour of GE corporate employees and identifying significant drivers. The model on deployment has shown a 15 % reduction on claim cost of that year and improved safety 3. Classification of Thermal, Wind and Solar power plant based on the Collection of Aerial pictures using CNN
2015-17	<i>System Engineer</i> Tata Consultancy Services, Chennai	1. Created and Optimized processes to import, retrieve and analyse data for a MNC Retail Client.I have Worked on complex mappings, maplets and workflow to meet the business needs ensured they are reusable transformation to avoid duplications. Also developed dashboards using Business reporting

## Other Information

Blog	karthickrajas.github.io
Open source	Python Package: ContextualMAB, R package: Lumos
Platforms	Top 30 in Flipkart GRID Engineering Campus Challenge
Membership	Analytical Society of India, IIM, Bangalore