Darshan Mallenahalli Shankaralingappa

CONTACT INFORMATION	Aalto University darshan.mallenahallishankaralingappa@aalto.fi *Phone:* +358 449181817	udaydarshan@gmail.com,

NATIONALITY
Indian

EDUCATION

Aalto University, Espoo, Finland   Sep 2014 - Present
Masters in Machine Learning and Data Mining   CGPA: 4.0/5
- In my masters program at Aalto, I am exposed to diverse theoretical topics and different frameworks for analyzing large data sets. I have mainly focused on studying Algorithms, Data Mining, Networks and Social Dynamics. In addition to that, I have also learned various concepts in Machine learning(ML) including neural networks, Advanced Probabilitistic methods for ML and Kernel Methods for ML. Some courses had programming work, where I got hands on experience with working on Hadoop, lucene, Spark and MongoDB. During this very intense masters course, I have also done some projects to get an hands on research experience.

Visvesvaraya Technological University, Belgaum, India   June 2013
Bachelor of Engineering in Computer Science Engineering   GPA: 80/100

PUBLICATIONS

Extracting skill endorsements from personal communication data , CIKM 2016 , Darshan Mallenahalli Shankaralingappa, Gianmarco De Fransicsi Morales and Aristides Gionis   `https://users.ics.aalto.fi/gionis/skills.pdf`

WORK EXPERIENCE

Research Assistant at **Aalto University**   Jun 2015 - Present
- Working as a Research Assistant at the Data Mining Group. I am part of the Re:know project where I am building data mining models to extract skills from personal communication data (like emails). In this project, we made use of lucene to build a K-NN model from stack exchange dataset to extract the skills from the emails. This work is accepted at CIKM 2016.
- For my master thesis, I am working on a new instance of Team Formation problem. We are investigating the following problem instance. Is it is better to train existing workers rather than hiring new workers in a cost effective manner? For this purpose, we are using the data from stack exchange.

Associate Software Engineer at **Exeter Group India**   July 2013-July 2014
- As an Associate Software Engineer, I was part of a team which developed web pages using Java Servlet Faces(JSF) while interfacing with Oracle Policy Automation(A rule based inference engine). We also developed applications in Salesforce.

TEACHING EXPERIENCE

Teaching Assistant - Modern Database Systems   Jan 2016 - May 2016
- The course covered various topics including, SQL joins, MongoDB, Information Retrieval and Spark. I helped students with their programming assignments and also marked their assignments and exams.

BACHELOR THESIS

Trading Simulation and Stock Market Prediction
- The objective was to predict the movement of selected stock indices listed in NSE (National Stock Exchange, India). We trained a model with Artificial Neural Networks using previous day's closing price and sentiments from the news articles as

input and using the current day's closing price as target values. Paper trading was also created with clean UI to give the user an experience of trading.

SKILL SET	*Github:* https://github.com/MSDarshan91

Programming: Good coding experience in Python. Have used MATLAB, Java, C, C++ and R for some exercises.

Parallel and distributed computing paradigms: Have done some exercises in MapReduce, Hadoop and Spark.

Information Retrieval: Lucene.

Databases: SQLite, MongoDB.

OTHER
- Attended the summer school in Lipari, Italy on Computational Complex and Social Systems in July 2016.
- Worked as a conference assistant at the International Conference of Computational Social Science in 2015 at Helsinki, Finland.
- Completed courses on Coursera include Machine Learning, Social Network Analysis and Data Analysis in R.