NIRMAL KANAGASABAI

🌐 http://cs.mcgill.ca/~nkanag3
in www.linkedin.com/in/nirmalkn
✉ nirmal.kanagasabai@gmail.com
☎ +1 (514) - 803 - 5633

Results-driven Software Developer with 2 years of work experience. Proficient in programming using Java, with knowledge of and familiarity with AngularJS framework. Recently graduated from McGill University and is currently looking for full-time opportunities. Authorized to work in Canada.

EDUCATION

Sep 2016 - Present	**M.Sc. Computer Science (Thesis)** McGill University, Montreal, Canada Thesis: **'Towards Online, Collaborative, Multi-View Modelling using CollabCORE'** Supervisors: **Prof. Joerg Kienzle** (McGill) & **Prof. Omar Alam** (Trent University)	3.55 (out of 4)
2010 - 2014	**Bachelor of Technology: Information Technology** Pondicherry Engineering College, Puducherry, India	9.23 (out of 10) Department Topper

WORK EXPERIENCE - INDUSTRY

May 2017 - Aug 2017	**Software Engineering Intern (Dragon Drive Connected Services)** Nuance Communications, Montreal, Canada Technology: **Web Services, Spring, RESTful API** Role: **Server-Side Developer** Domain: **Weather-Related Content Services**	4 months
Oct 2014 - Jul 2016	**Systems Engineer - Infosys Ltd.** Mahindra City, Chennai, India Technology: **MVC Architectural Pattern: Spring, Oracle, JUnit** Role: **Java Developer** Domain: **Financial Services**	1.8 years

RESEARCH AND TEACHING EXPERIENCE – ACADEMIA

Sep 2016 - Dec 2018	**Graduate Research Assistant - Software Engineering Lab** McGill University, Montreal, Canada	2.3 years
Sep 2016 - Dec 2018	**Graduate Teaching Assistant - COMP 361 & COMP 533** McGill University, Montreal, Canada	2.3 years

TECHNICAL SKILLS

Languages / Technologies	Java 8, HTML 5 & CSS 3, JavaScript, Python 2.7
Frameworks and Tools	J2EE, JPA and Hibernate, AngularJS
Accessibility	WCAG and AODA Compliance
Tools	Git, Docker, JUnit, Maven
Databases	Oracle 11g, H2 Database Engine, MySQL

NIRMAL KANAGASABAI

🌐 http://cs.mcgill.ca/~nkanag3
🔗 www.linkedin.com/in/nirmalkn
✉ nirmal.kanagasabai@gmail.com
📞 +1 (514) - 803 - 5633

AWARDS AND ACHIEVEMENTS

Sep 2018	**Graduate Excellence Award** - McGill University	
Sep 2018	**Graduate Research Enhancement and Travel (GREAT) Award** - McGill University	
Jan 2016	**Performance Appreciation Spot Award** - Infosys Limited, India	
Apr 2015	**Govt. of Puducherry Prize for Academic Excellence**	
2010 - 2014	**Proficiency - Topper (all four years)** – Pondicherry Engineering College	
Mar 2014	**TCS Best Student Award** – Tata Consultancy Services, India	
Apr 2014	**Best All Rounder – Mr. Amrita Memorial Award** – Pondicherry Engineering College	
Feb 2013	**Best Paper Award** – National Conference on Bio-Inspired Technologies, India	

GRADUATE THESIS - Towards Online Collaborative Multi-View Modelling using CollabCORE

Proposed two algorithms (Highlight Propagation Algorithm and Delayed Deletion Algorithm) to improve the user presence awareness and handle cascading deletions. It also focusses on persisting the models in a cloud repository and supporting collaboration in multi-view modelling environments.

PUBLICATIONS

2018	Conference	Towards Online, Collaborative, Multi-View Modelling
2017	Conference	Sentiment Analysis: It's Complicated!
2014	Book Chapter	A efficient algorithm for fast-block motion estimation in HEVC
2014	Journal	Enhancements of Latent Fingerprints using Morphological Filters
2013	Conference	Spam Termination and Establishing Private Search Logs
2013	Conference	Forensic Fingerprint Enhancement through Morphological Image Processing

OTHER ACADEMIC PROJECTS

Distributed Information System
Core Java

Twitter Sentiment Analysis
Python

Reddit Topic Classification
Python - NLP (NLTK & Scikit)

Nimbus Drive
J2EE & JavaScript

Differential Privacy in ML
Python (MNIST, SVHN, CIFAR-10)

Designed 7 Websites
HTML5, CSS3, JavaScript

Adversarial Attacks against DNN
Python

Image Classification - CNN
Python (TensorFlow, InceptionV3)

COURSEWORK @ McGILL

Distributed Data Management	Applied Machine Learning
Distributed Systems	Social Media Informatics
Real-World Computing (Innovations)	Model-Driven Software Development

Please visit https://github.com/nirmalkanagasabai for more information on projects and publications