

# Karthik Raja Kalaiselvi Bhaskar

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## EDUCATION

### UNIVERSITY OF TORONTO

M.A.Sc IN ELECTRICAL AND

COMPUTER ENGINEERING

Jan 2018 - Present | Toronto, ON

CUM.GPA: 3.94/4.0

### ANNA UNIVERSITY

BE IN ELECTRONICS AND

COMMUNICATION ENGINEERING

2012 - 2016 | Chennai, India

CUM.GPA: 8.32/10.0

## LINKS

Github:// [karthikraja95](https://karthikraja95)

LinkedIn:// [Karthik Raja Kalaiselvi Bhaskar](#)

## COURSEWORK

### GRADUATE

Neural Networks and Deep Learning

Deep Reinforcement Learning

Introduction to Data Science and

Analytics

Computer Security, Cryptography and

Privacy in Machine Learning

Advanced Network Architecture

Technologies and Enablers for

Software Defined Networks

### AUDITED COURSES

Statistical Learning

Algorithms and Data Structures

Project Management

## TEACHING

• CSC326 - Programming Languages

• CHE374 - Economic Analysis and  
Decision Making

## SKILLS

### PROGRAMMING

• Python • Java • SQL • Angular JS

Bootstrap • CSS • HTML • Matlab

• Selenium

### LIBRARIES

• TensorFlow • PyTorch • Keras •

Scikit-Learn Numpy • Pandas •

OpenCV • SciPy • Seaborn •

Matplotlib • Plotly • Bokeh •

Statsmodels • NLTK • Scrapy

## EXPERIENCE

### WEARTECH | MACHINE LEARNING ENGINEER

Sep 2018 - April 2019 | Toronto, ON

- Working on a project to help people with Prosopagnosia, a neurological disorder characterized by the inability to recognize faces.

### UNIVERSITY OF TORONTO DATA SCIENCE TEAM | MACHINE

LEARNING ENGINEER & PROJECT LEAD

Sep 2018 - April 2019 | Toronto, ON

- Leading Under graduate students throughout different projects.
- Currently working on Affective Computing.

### TORONTO-DOMINION BANK | MACHINE LEARNING ENGINEER IN

CYBERSECURITY R&D

Summer 2018, 2019 | Toronto, ON

- Worked on a Cyber Security project.
- Created a Deep Learning model that detects and prevents the cyberattack before it happens.
- Built Unsupervised Auto Tagging algorithm for Octavious

### INFOSYS | SYSTEM ENGINEER

May 2016 - Aug 2017 | Chennai, India & Mysore, India

- Developed a Mobile Comparison App using Java, Bootstrap, Angular JS, REST.
- Developed and customized an online E-commerce website for Walmart using Java, Ajax
- Developed banking services like Bill Payment, Fund Transfer for Bank of America using Java.

## RESEARCH

### UNIVERSITY OF TORONTO & WOLSELEY | RESEARCHER

Sep 2018 - Present | Toronto, ON & Burlington, ON

Working on my Master's Thesis/Research Project with **Prof Yuri Lawryshyn**, co-supervised by **Prof Deepa Kundur** on Deep Learning based Recommendation System for **Wolseley**.

### UNIVERSITY OF TORONTO | RESEARCH ASSISTANT

Sep 2018 - April 2019 | Toronto, ON

Worked with **Prof Michelle Alexopoulos** and **Prof Periklis Andritsos** on Deep Learning based model for Text Classification and Clustering.

## PROJECTS

• Human like Chess engine • Transferability of Defense GAN technique to Physical Adversarial examples • Facebook Friend Recommendation • Quora Question Pair Similarity • NYC Taxi Demand Prediction • Personalized Cancer Detection • Stackoverflow Tag Predictor • Microsoft Malware Detection • HyperFace • Human Activity Recognition • Self Driving cars

*For more details about the projects, please click on my [personal website](#).*

## OTHERS

• State Level Basketball player • University Handball player • Vice President of Indian Graduate Student Association • Best Outgoing Student of my University 2012 - 2016 for Overall Achievements • Chief Organizer for InnoWiz 2k15 (National Level Technical Symposium)