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**
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 - Apirl 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 •Transferabiltiy 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
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)