VIGNESH NARAYANASWAMY

vignesh.nswamy16@gmail.com | +1 (312) 478-3168 | Chicago, IL | https://www.linkedin.com/in/vignesh-narayanaswamy/
https://github.com/Vignesh-Nswamy/

EDUCATION

University of Illinois at Chicago   **Chicago, Illinois**
Master of Science in *Computer Science*   *May 2021*
Focus Areas: Deep Learning, Machine Learning, Data Science
Cumulative GPA: 4.0/4.0

Anna University (Velammal Engineering College)   **Chennai, India**
Bachelor of Engineering in *Electrical and Electronics Engineering*   *May 2017*
Cumulative GPA: 8.17/10.0

TECHNICAL SKILLS

Programming Languages: Java, Python

Frameworks/Technologies/Libraries/Databases: TensorFlow, PyTorch, Fastai, NumPy, Scikit-learn, Pandas, Struts, MySQL, Google Cloud Platform

EXPERIENCE

Mariner   **Charlotte, NC**
Data Science Intern   *January 2021 - Present*
· Responsible for curating images to prepare labeled datasets and utilizing them to train deep learning models to detect articles/objects within images.

University of Illinois at Chicago   **Chicago, IL**
Graduate Student Researcher | Robotic Imitation Learning   *March 2020 – December 2020*
· Designed an object tracking system to synchronize multi-perspective videos.
· Trained Time Contrastive Networks on custom datasets to aid a robot (UR10e) in learning to perform menial tasks by imitating a human demonstrator.

Mariner   **Charlotte, NC**
Data Science Intern   *June 2020 – August 2020*
· Developed a deep learning pipeline to extract information from large-scale engineering drawings.
· Built shape and text detection models for image augmentation.
· Fine-tuned Segmentation and OCR models for localized information extraction.

Zoho Corporation   **Chennai, India**
Member Technical Staff, Software Developer | Zoho Creator   *May 2017 – June 2019*
· Enhanced Zoho Creator's API infrastructure resulting in reduction of performance bottlenecks by up to 75%
· Developed tools using Bash and Python to automate DevOps processes, saving developers up to 20 minutes every day.
· Facilitated planning and review discussions to establish project goals and timelines.

PROJECTS

Incorporating BERT into Abstractive Text Summarization   *May 2020*
· Led a team of graduate students in building and training a custom Transformer architecture with a pre-trained BERT backbone on CNN Dailymail dataset to **summarize news articles**.

Alzheimer's Disease Diagnosis using Deep Learning   *May 2020*
· Headed a team of two graduate students in designing multiple deep learning architectures to **diagnose Alzheimer's Disease and Mild Cognitive Impairment** using 3-D neuroimages and patient demographics.

CERTIFICATIONS

· **Neural Networks and Deep Learning** by deeplearning.ai on Coursera.   *January 2020*
· **Introduction to TensorFlow for Artificial Intelligence, Machine learning and**   *January 2020*
   Deep Learning by deeplearning.ai on Coursera.