Naman Tiwari

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EDUCATION

Johns Hopkins University   Baltimore, MD
MSE Computer Science   Expected Dec 2020
Relevant Courses: Machine Learning, AI, Deep Learning, Computer Integrated Surgery

Indian Institute of Technology   Dhanbad, India
Bachelors of Technology (Honors) Electrical Engineering (GPA: 8.32/10)   2015 - 2019
Minor: Computer Science and Engineering
Relevant Courses: Data Structures, Intro Algorithms, Database Management Systems

EXPERIENCE

Radicali   Singapore
Frontend Developer Intern   March 2019 - July 2019
- ❖ Developed, from scratch, the organisation's customer facing dashboard using React (helped acquire 4 new commercial clients)
- ❖ Developed several pages for users, including an intuitive way to view and annotate the NLP driven document comparison results
- ❖ Played a key role in the transition from vanilla HTML Javascript to a React based frontend
- ❖ Technologies Used: React, Redux, Flask, Python, JavaScript

Google Summer of Code   The Terasology Foundation
                                                                              March 2018 - August 2018
- ❖ Developed a new village management gameplay template akin to Dwarf Fortress with creatures called the Oreons.
- ❖ Developed the tree based AI logic for the Oreon NPCs.
- ❖ Active contributor to the project with over 50 merged PRs.
- ❖ Mentored students during Google Code-In 2018.
- ❖ Technologies Used: Java

RESEARCH EXPERIENCE

Neural Network based operator applied Force Estimation for dVRK - SMARTS Lab JHU
- ❖ Working on a neural network based estimation of the force applied by the operator for the daVinci Robot.

NCS based ultra low power machine learning techniques for image classification-
Accepted at IEEE Region10 Symposium 2019   Naman Tiwari, Koushik Mondal
- ❖ Developed a model to "judge a book by its cover".
- ❖ Compiled and deployed the model on Intel Neural Compute Stick.
- ❖ Developed a script to collect and clean(using OpenCV) over 16000 book cover images.

SKILLS

Programming Languages, Libraries and Frameworks: Java (Proficient), Python (Intermediate), JavaScript (Intermediate), C++, React(Intermediate), Flask, Tensorflow, Keras, MATLAB

RECENT PROJECTS

celeAI - Developed a website to enhance the understanding of text for dyslexic children.
Technologies Used: React, Flask, Google Vision API, Google App Engine.
Circuit Solver - A MATLAB application to solve any two loop RLC circuit.