Naman Tiwari

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EDUCATION

Johns Hopkins University   Baltimore, MD
MSE Computer Science   Expected Dec 2020

Indian Institute of Technology   Dhanbad, India
Bachelors of Technology (Honors) Electrical Engineering (GPA: 8.32/10)   2015 - 2019
Minor: Computer Science and Engineering

EXPERIENCE

Center for Neuroplastic Surgery, JHU   Baltimore, MD
iOS Developer   June 2020 - Present
- ❖ Working on developing an iOS app from scratch to control a patented device implant.
- ❖ Implemented bluetooth interface between the device and app.

LCSR JHU Robotics   Baltimore, MD
Graduate Research Intern   December 2019 - May 2019
- ❖ Developed a neural network for estimation of the force applied by the operator on a daVinci Robot.
- ❖ Developed a pipeline to read data from ROS and then transfer the neural network results to the robot in real time. **Repository:** https://github.com/Naman-sopho/ForceEstimation

Cisco and JHU   Baltimore, MD
Cisco Research Intern   February 2020 - Present
- ❖ Working on developing a one-stop solution for developers, administrators, and managers to provide them quick access to accurate information about cryptographic protocols, tools, and libraries. **Repository:** https://github.com/jhu-information-security-institute/CryptoDoneRight

Radicali   Singapore
Frontend Developer Intern   March 2019 - July 2019
- ❖ Developed, from scratch, the organisation's customer facing dashboard using React (improved user experience helped acquire 4 new commercial clients in a month)
- ❖ Developed several pages for users, including an intuitive way to view and annotate the NLP driven document comparison results.
- ❖ Technologies Used: React, Redux, Flask, Python, JavaScript, NodeJS, SQL

Google Summer of Code   The Terasology Foundation
                                                          March 2018 - August 2018
- ❖ Active contributor to the project with over 50 merged PRs.
- ❖ Mentored students during Google Code-In 2018.Technologies Used: Java, Groovy, Gradle, Git

RESEARCH EXPERIENCE

Judging a book by its cover -
Accepted at **IEEE Region10 Symposium 2019**   Naman Tiwari, Koushik Mondal
- ❖ Developed and compared model performances for the classification of books into genres based on their cover images. Compiled and deployed the model on Intel Neural Compute Stick.
- ❖ IEEE Xplore: https://ieeexplore.ieee.org/abstract/document/8971238

SKILLS

Java (Proficient), Python (Proficient), Go, JavaScript (Intermediate), React(Intermediate), Flask, C++, SQL, PHP, Pytorch, NodeJS, Tensorflow, Keras, MATLAB, RESTful API design, Jenkins