

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 estimation of the operator force for dVRK -

SMARTS Lab JHU

- ❖ Developed a neural network for estimation of the force applied by the operator on a 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

Java (Proficient), Python (Proficient), JavaScript (Intermediate), React(Intermediate), Flask, C++, Pytorch, Tensorflow, Keras, MATLAB, JIRA, Kanban

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.