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 PUBLICATIONS

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.