Naman Tiwari

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EDUCATION

MSE Computer Science
Johns Hopkins Whiting School of Engineering

2019 – Present

B.Tech Electrical Engineering (Minor in Computer Science and Engineering)
Indian Institute Technology (ISM), Dhanbad

2015 – 2019   *CGPA: 8.32/ 10*

XII (Senior Secondary), CBSE
Aklank Public School, Kota

2014 – 2015   *Percentage: 90.6%*

X (Secondary), CBSE
St. Paul's Sr. Sec. School, Kota

2012 – 2013   *CGPA: 10 / 10*

WORK EXPERIENCE

Frontend Developer (Intern)
Radicali ↗

03/2019 – 07/2019

Achievements/Tasks

- Developed the organisation's dashboard for customers from scratch.
- Implemented backend endpoints for various features in the frontend.
- Developed several pages for the users including an intuitive way to view and annotate the NLP driven document comparison results.
- Technologies Used: React Native, Flask, Python, JavaScript.

Google
Google Summer of Code 2018 ↗

03/2018 – 08/2018

Details :

- Worked on a village management game-play template akin to Dwarf Fortress and Dungeon Keeper with creatures called the Oreons.
- Developed the AI logic for the Oreon NPCs.
- Under the org Terasology Foundation. ↗

PROGRAMMING SKILLS

Java   React Native   Python

JavaScript   PHP   MySQL   C/C++

Platforms : Windows, Linux(Ubuntu)

PUBLICATIONS

NCS based ultra low power optimised machine learning techniques for image classification - Naman Tiwari, Koushik Mondal

- Accepted at IEEE Region 10 Symposium
- The paper discusses the development of a model for classification of book cover images into genres, and subsequently compiling the trained model for use with the Intel Movidius Neural Compute Stick
- Worked on creation of the dataset of book cover images using the Goodreads API and cleaning it, training various CNNs, compiling them for the NCS and gathering results after deploying networks for inference on multiple devices

CERTIFICATES

National Talent Search Scholar (2011)
Among the top 1000 students receiving the National Talent Search Examination scholarship (NTSE-2011).

Certificate Of Merit (2012 – 2013)
Issued by CBSE for exceptional performance in Secondary Examination