NIHAR DWIVEDI

ndwivedi@bu.edu | (857) 588-2271 | Boston, MA
linkedin.com/in/nihardwivedi/ | github.com/nihardwivedi

EDUCATION

Boston University | Boston, MA   Expected January 2021
Master of Science in Electrical and Computer Engineering
Coursework:

● Digital Signal Processing	Product Design	Design by Software
● Cloud Computing	Parallel Algorithms	Advanced Data Structures
● Cybersecurity	Deep Learning	

Kalinga Institute of Industrial Technology | Bhubaneswar, India   July 2015 - April 2019
Bachelor of Technology in Information Technology
Coursework:

● Data Structures and Algorithms	Computational Intelligence	Computer Networks
● Operating Systems	Web Technology	Compiler Design
● Object-Oriented System Design	Mobile Computing	

SKILLS

Programming Languages: Proficient in: Python, C++ | Familiar with: PowerShell, JavaScript, C#, Java, C

Tools: Proficient in: MySQL, HTML, CSS, Git | Familiar with: MongoDB, React, Angular, GraphQL, NodeJS, JSON, Flask, Firebase, AWS, K8s, Openshift, Docker, PyTorch, Tensorflow, OpenMP, OpenACC, CUDA, Prometheus, Grafana, CircleCI, TravisCI

PROJECTS

Language Error Detection | Boston University   January - April 2020
- A Java application to learn from scraped web text data and predict the correctness of user-given sentences.

Data Science and OpenShift on the Mass Open Cloud | Boston University   January - April 2020
- An Openshift container application to detect anomalies in and predict future values for various cloud metrics.

Steel Defect Detection | Boston University   September - December 2019
- A Kaggle competition data science project that achieved 70% accuracy on the competition test dataset.

Twitter Sentiment Analysis | Boston University   September 2019
- A Python script that generates sentiment scores for tweets containing a user given keyword using Twitter's public API.

Embedded Machine Learning | Boston University   November 2019
- An Android app showcasing a simple object detection model using Google's MLKit framework.

Image Style Transfer | Kalinga Institute of Industrial Technology   March 2018
- A simple python script to demonstrate image style transfer utilizing Tensorflow on a local GPU.

EXPERIENCE

Deloitte | Hyderabad, India   January - May 2019
Software Engineering Intern
- Worked in the engineering team responsible for an internal tool used for audits of systems and databases.
- Developed the PowerShell code shipped in the next major release.
- Collaborated with senior engineers, utilizing C# and JavaScript to develop new features for the web-based frontend.
- Responsible for maintaining and extending the user documentation for the tool.

Builtify | Bhubaneswar, India   January - April 2018
Intern
- Coordinated with another intern to develop the database backend for the product catalog.
- Led the development of a new website for the business, utilizing HTML, CSS, and JavaScript.
- Increased traffic by a factor of 4 and retention by a factor of 10 through the new website.

CO-CURRICULAR

- Placed second in an undergrad Python programming competition.
- Participated in various academic conferences and symposiums held in college on Machine Learning, Cloud Computing, and GPU programming.
- Won a college quiz on Cloud Computing.