

NIHAR DWIVEDI

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EDUCATION

Boston University | Boston, MA

Expected January 2021

Master of Science in Electrical and Computer Engineering

Coursework:

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|-----------------------------|---------------------|--------------------------|
| • 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:

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|----------------------------------|----------------------------|-------------------|
| • 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.js, AngularJS, GraphQL, NodeJS, JSON, Flask, Firebase, AWS, K8s, Openshift, Docker, PyTorch, Tensorflow, OpenMP, OpenACC, CUDA, Prometheus, Grafana, etcd, Redis, 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.