

NIHAR DWIVEDI

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EDUCATION

Boston University College of Engineering | Expected January 2021
Master of Science in Electrical and Computer Engineering | GPA: 3.47

Boston, MA

Kalinga Institute of Industrial Technology | April 2019
Bachelor of Technology in Information Technology

Bhubaneswar, India

Relevant Coursework:

Computational Intelligence, Computer Networks, Operating Systems, Web Technology, Compiler Design, Object-Oriented System Design, Mobile Computing, Digital Signal Processing, Product Design, Design by Software, Cloud Computing, Parallel Algorithms, Advanced Data Structures, Cybersecurity, Deep Learning

SKILLS

Programming Languages: C, C++, Java, C#, Python, JavaScript, PHP, PowerShell

Tools: React.js, HTML/CSS, NodeJS, Prometheus, Grafana, etcd, Git, GraphQL, JSON, Flask, Firebase, AWS, K8s, Openshift, Docker, PyTorch, Tensorflow, MacOS, Homebrew, OpenACC, CUDA, Redis, SQL, MongoDB, CircleCI, TravisCI

EXPERIENCE

Deloitte | Hyderabad, India

January - May 2019

Software Engineering Intern

- Developed an internal tool used for audits of systems and databases in collaboration with engineering team
- Developed PowerShell code shipped in next major release.
- Collaborated with senior engineers, utilizing C# and JavaScript to develop new features for web-based frontend.
- Maintained and extended user documentation.

Builtify | Bhubaneswar, India

January - April 2018

Intern

- Developed database backend for product catalog.
- Led development of a new website, utilizing HTML, CSS, and JavaScript.
- Increased traffic by a factor of 4 and retention by a factor of 10 in new website.

PROJECTS

Language Error Detection | Boston University

- A Java application to learn from scraped web text data and predict correctness of user-given sentences.

Data Science and OpenShift on the Mass Open Cloud | Boston University

- An Openshift container application to detect anomalies in and predict future values for various cloud metrics.

Steel Defect Detection | Boston University

- A Kaggle competition data science project, achieved 70% accuracy on competition test dataset.

Twitter Sentiment Analysis | Boston University

- A Python script to generate sentiment scores for tweets containing a user given keyword using Twitter's public API.

Embedded Machine Learning | Boston University

- An Android app showcasing a simple object detection model using Google's MLKit framework.

Image Style Transfer | Kalinga Institute of Industrial Technology

- A Python script to demonstrate image style transfer utilizing Tensorflow on a local GPU.

AWARDS AND ACTIVITIES

- 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.