NIHAR DWIVEDI

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EDUCATION

Boston University College of Engineering | January 2021 — Boston, MA
Master of Science in Electrical and Computer Engineering | GPA: 3.44

Kalinga Institute of Industrial Technology | April 2019 — Bhubaneswar, India
Bachelor of Technology in Information Technology

***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: Python, C++, Java, C#, JavaScript, PHP, PowerShell
Tools: Hadoop, Kafka, Zookeeper, MapReduce, AWS, Ansible, Prometheus, Grafana, Git, Kubernetes, Openshift, Docker, Redis, Cassandra, SQL, etcd, Virtualization, VMware VSphere, ESXi, Hyper-V, KVM, JSON, MongoDB, TravisCI, Bash, HTML, CSS, React.js, NodeJS, GraphQL, JSON, Flask, Firebase, PyTorch, Tensorflow, Homebrew, OpenACC, CUDA

EXPERIENCE

Deloitte | Hyderabad, India — January - May 2019
Software Engineering Intern
- Developed PowerShell and SQL code for an internal tool used to audit client systems and databases, code shipped in next major release.
- Collaborated with senior engineers utilizing C# and JavaScript to develop new features for the tool's web-based frontend.
- Maintained and extended user documentation.

Builtify | Bhubaneswar, India — January - April 2018
Intern
- Developed database backend for product catalog, implemented via SQL.
- 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.