DHWANI TRIVEDI

Troy, MI, 48085 | dhtr004@gmail.com | (248) 835-8540

Education:

Master of Science (M.S.), Computer Science   **December, 2020**
Institute: Stony Brook University, NY, USA
M.S. degree with courses and research emphasizing on Artificial intelligence, Natural Language Processing, Analysis of Algorithms, Simulation and Modelling, Database Systems, Probability and Statistics for Data Science, Logic for Computer Science.

Bachelor of Engineering (B.E.), Computer Engineering, **GPA: 9.41 (94%)**   **May,** *2019*
Institute: L.D. College of Engineering (Gujarat Technological University), Ahmedabad, India

Experience:

Graduate Student Researcher   *August, 2020 – December, 2020*
Broadridge, NY
        Working on developing Natural Language Processing models for information extraction.

Software Development Engineer Intern   *June, 2020 – August, 2020*
Amazon, Seattle, WA
        Worked in the finance-technology team using Java, Python, Kotlin, ReactJS and AWS
        technologies.

Graduate Student Researcher   *January, 2020 – May, 2020*
Broadridge, NY
        Worked on developing NLP models to extract information from financial documents, using
        Python, Pandas, Beautiful Soup, PyTorch, TensorFlow, Scikit.

Teaching Assistant   *January, 2020 – May, 2020*
Stony Brook University, NY
        Assisted the professor with grading exams, assignments, office hours for the course:
        Foundations of computer science.

Technical Intern   *March, 2018 – October, 2018*
Softvan, Ahmedabad, India
        Worked on projects using Java 2 Platform Enterprise Edition (J2EE), HTML, CSS and
        JavaScript; assisted in group projects based on Machine Learning and AI.

Research Work:

- Research paper published for IC4S-2019 Springer conference, Scopus Index; focusing on Activity Recognition Using Temporal Features and Deep Bottleneck 3D-ResNeXt.
- Research paper submitted for review; focusing on Anomaly Detection in Surveillance through Artificial Intelligence.

Projects:

Digi Trainer and Informer (DTI) *2016-2017*

- An online portal which provides language-wise and occupation-wise business training and also area-wise market information for micro and small skill business owners.

'Util' Anomaly Detection in Surveillance *2018-2019*

- An artificial intelligence, Machine Learning and Deep Learning based project which uses image and video analysis to detect and identify harmful objects from CCTV footage.
- The project also won an award at Kaizen, 2019 (LDCE, Ahmedabad, India).

Skills and Expertise:

- **Technical Skills:**
  - Programming/Scripting Languages: Java, Python, C++, C, JavaScript, SQL, C#, Kotlin, React.js
  - Operating Systems: Microsoft Windows, Linux, Ubuntu
  - Software packages: Hibernate ORM Framework, Spring Framework, Anaconda Python Distribution, jQuery Framework
  - AWS Technologies: Lambda, CloudFormation, CloudFront, API Gateway, Identity and Access Management
  - Other Technologies: HTML, HTML5, CSS, Ajax, PHP
- **Organizational Skills:** Public Speaking, Leadership, Management, Teamwork
- **Languages Known:** English, Hindi, Gujarati

Independent Coursework:

- An Introduction to Practical Deep Learning (by Intel, Coursera.com)
- Object oriented programming with Python (by Internshala.com)
- Object oriented programming with C++ (by C-DAC, Centre for Development of Advance Computing, India)
- Software Development Fundamentals in C# (Microsoft Technology Associate)
- Database Management System (Microsoft Technology Associate)
- HTML5 (Microsoft Technology Associate).
- AWS Concepts (Udemy).

Extra-Curricular and Volunteer Activities

- Part of the core team in-charge of planning, organizing and conducting events of LDCE Alumni Association (LAA).
- Participated in the Summer Innovation challenge, 2017 and presented the project Digi Trainer and Informer (DTI) under the category of Social Innovation; organized by Gujarat Knowledge Society, Education Department, Government of Gujarat, India.