

DHEERAJ REDDY PATLOLLA

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ABOUT ME

I am a master's student currently pursuing in Computer Science field at Old Dominion University. I have always been fascinated how computational technology is occupying every horizon of human life on a much wider prospect. My area of interests is mainly in the field of Business Intelligence, UI/UX, Machine Learning with a strong foundation in math and programming logic. Always love to code and can combine my analytical skills. with well-developed interpersonal skills.

ACADEMIC QUALIFICATION

- **Old Dominion University** - Master of Science in Computer Science (Jan'21-Dec'22)
- **Jawaharlal Nehru Technological University, Hyderabad** – Bachelor of Technology in Electronics and Communication Engineering (Aug'16-Sept'20)

ACADEMIC PROJECTS

- **Design and Analysis of Ternary based full-adder architectures (Jan'20-May'20)**- The Ternary based adder topologies are efficient in improving the circuit performance in terms of power and delay, which can be implemented using different FET technologies such as CMOS, CNTFET, GNRFET by using HSPICE to simulate and measure circuit parameters.
- **A Low Power Two Bit Ternary Multiplier using GNRFETS (Jun'19-Nov'19)**- GNRFETs are the hopeful alternative for bulk silicon transistor for low average power consumption and low total source power dissipation. A two-bit multiplier is newly designed with four 1-bit multipliers, two half and full adders, FET technologies and the corresponding performance parameters are compared and analyzed.
- **Breast Cancer Diagnosis using the Adaptive Ensemble Machine Learning algorithm (Dec'18-Feb'19)**- The aim of this work is to compare and explain how ANN and logistic algorithm provide better solution when its work with ensemble machine learning algorithms for diagnosing breast cancer even the variables are reduced. Here, ANN approach with logistic algorithm is achieved 98.50% accuracy from another machine learning algorithm.

TECHNICAL SKILLS

Languages: C, Basics of Python, Unix Shell

Tools: MySQL, MATLAB, Anaconda, PuTTY, Jupyter, Git, Excel, TABLEAU, Power BI

Web Technologies: HTML, CSS, JavaScript

CERTIFICATIONS

- Python programming
- IOT-Alexa based Bootcamp and Hackathon.
- Business intelligence and data analytics: Generate insights. (Coursera)
- Getting Started with Power BI Desktop (Coursera)
- Business Metrics for Data-Driven Companies, Visualizing Citibike Trips with Tableau (Coursera)

WORKSHOPS ATTENDED

- Attended a workshop on Data Science at IIT-Hyderabad on 10th & 11th August 2019.
- Attended a workshop on Artificial Intelligence at IIT-Hyderabad on 17th & 18th August 2019.

ACHIEVEMENTS

- Won 2nd prize in Business and Marketing workshop in Annual technical symposium of VNR VJIET, Convergence in September 2019.
- Project Presentation in Open House held in March 2019, based on **Breast Cancer Diagnosis** using the Adaptive Ensemble Machine Learning algorithm.
- Technical paper presentation based on **Traffic Analysis and Control** using Image Processing in Convergence 2019, in the month of September.