Chinmay Gedam

86 Merrimac Street, Buffalo, NY, USA – 14214 cgedam@buffalo.edu

EDUCATION

Bachelor of Engineering (B.E.) – Electronics Engineering **Aug 2019 – May 2023**
University of Mumbai, Mumbai, India **8.32/10 CGPA**
Vivekanand Education Society's Institute of Technology (VESIT)

Master of Science (M.S.) – Engineering Science in Data Science **Aug 2024 – Dec 2025**
University at Buffalo, State University of New York (SUNY), Buffalo, New York, US

INTERNSHIPS

Project Intern, Entuple Technologies, Bengaluru, India (Remote) **March 2022 – April 2022**

- Designed and simulated combinational, sequential and finite state machine circuits using Verilog language in Cadence software
- Performed thorough debugging of circuits using Advanced Peripheral Bus (APB) protocol

Project Intern, Tinkerer's Lab, VESIT, Mumbai, India **June 2021 – July 2021**

- Developed Air Quality monitoring system using MQ-135 sensors and transferred monitored data to Firebase Database via the internet
- Generated Air Quality graphs using machine learning algorithms

SKILLS

Tools: Jupyter, Power BI, MS Excel, Proteus, Cadence
Languages/Databases: Python (NumPy, Pandas, Matplotlib, Tableau, TensorFlow, Scikit-learn), Apache Spark, MySQL, C, HTML, CSS, Javascript, Verilog

ADDITIONAL COURSES AND CERTIFICATIONS

- Python for Everybody Specialization - University of Michigan (via Coursera)
- Machine Learning Specialization - Standford University and DeepLearning.AI (via Coursera)
- IBM Data Science Professional Certificate - IBM (via Coursera)
- Google Data Analytics Professonal Certificate - Google (*in progress* via Coursera)

ACADEMIC PROJECTS

Heart Disease Prediction System **November 2023**

- Developed a prediction model to assist with heart disease detection based on historical and current medical reports of patients
- Implemented Support Vector Machine (SVM) algorithm and Decision Tree model to predict heart disease using Jupyter notebook

Stock Price Prediction **July 2023**

- Analyzed the price of a particular stock using time series forecasting method
- Predicted future stock price using LSTM (Long Short Term Memory) network using Jupyter notebook

Smart Shopping Cart **April 2023**

- Developed a price comparison tool aimed at comparing merchandise prices from various websites to identify lowest priced retailer
- Utilized Python based web scraping techniques to extract data from retail websites

ASIC Counter Design **April 2022**

- Designed 4-bit synchronous Application Specific Integrated Circuit (ASIC) counter using Cadence software
- ASIC Counters are used to measure occurrence of a particular event within an Integrated Circuit (IC) and are utilized when signals are converted from analog circuits to digital circuits

Hospital Management System **December 2021**

- Created a database using MySQL to securely manage patient information, appointment history and patient billing history
- Leveraged PHP and Bootstrap to display the data in a user-friendly interface