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KUNAL BAMBARDEKAR

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Education

Master of Engineering, University of Toronto **Fall 2018 – Spring 2019**

- **Relevant Coursework:** Introduction to Machine Learning, Neural Network and Deep Learning, Natural Language Processing, Algorithms and Data Structures, Project Management for Engineers

Bachelor of Technology, SRM University **July 2014 – May 2018**

- Majored in Electronics and Instrumentation

Experience

Business Analyst- Intern, Schneider Electric **Sept'19 – Dec 19**

- Designed a marketing strategy for the company in order to analyze growth of the Microgrid Solutions' exposure.
- Analyzed the market based on SWOT Analysis using Tableau and delivered competitor mapping based on extensive market research.
- Developed an online survey using SurveyMonkey hence, initiating a marketing campaign, resulting the growth of the revenue and sales by 35%.

Teaching Assistant- University of Toronto **Jan'20 – May'20**

- Assisted students in assignments and designed tutorials for Systems Control, Embedded Systems and Machine Learning.

Projects

- **COVID-19 Spread Progression**: Designed a dashboard for visualization of COVID-19 progression till date. (Web Scrapping, Python, Tableau).
- **COVID-19 Forecasting and Prediction:** Implemented machine learning models to the web-scrapped data in order to forecast the total number of cases in future (Web Scrapping, Python, NumPy, ARIMA, SVR, FbProphet Models).
- **Deep Learning Real-time Emotion Detector:** Implemented Real-time Emotion Detection using Deep Learning by using MobileNet50 Model by Keras. (TensorFlow, Keras, Spyder-IDE, CNN, Deep Learning).
- **Cell Search and Synchronization Procedure of UE in LTE Networks:** Reproduced the User Equipment's Cell Search and Synchronization Procedure in Long Term Evolution (LTE) Networks. (MATLAB, Clustering)
- **Real or Fake – NLP with Disaster Tweets**: Implemented Natural Language Processing techniques to the Disaster Tweets classifying them either Real or Fake. Achieved a public score of 0.79681 on Kaggle. (NLP, Text Pre-processing, Python)

Relevant Skills

- **Tools:** MS-Project, MS-Access, MS- Office, SAP, SAS, SQL, Postgresql,
- **Data Analytics:** Python (NumPy, Pandas, sklearn, Keras, MLflow, TensorFlow), MATLAB, Scala,
- **Cluster Computing Framework:** Apache Spark, MapReduce
- **Statistical Modeling:** Hypothesis testing, Forecasting, Simulation Modeling
- **Web Development:** Python, HTML, CSS, JavaScript, Git (Source Control Management)
- **Soft Skills:** Self-motivated, Decent communication Skills, Teamwork, Detail Oriented, and Leadership