ANUSHA RAVI PATIL

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EDUCATION

New York University, New York *May 2021 (Expected)*
Center for Data Science, Masters in Data Science
Relevant Coursework: Optimization and Computational Linear Algebra, Probability and Statistics for Data Science, Machine Learning, Big Data, Natural Language Understanding

Ramaiah Institute of Technology, Bengaluru, India *June 2017*
B.E. in Electronics & Communication Engineering, First-Class Honors
Relevant Coursework: Data Structures, Operating Systems

EXPERIENCE

Verzeo *September 2018 - December 2018*
Data Science Intern *India*
· Used clustering to implement a Q&A system based on sentence embeddings using SQuAD
· Worked on database management and implementation for the Q&A system using MySQL Workbench

42hertz *August 2017 - February 2018*
Data Science Intern *India*
· Predictive Maintenance: Used logistic regression for classifying whether a given machine had failed at given time
· Used Pareto/NBD to calculate Customer Lifetime Value for an e-commerce music store 'CDNow' ⦿

Indian Institute of Astrophysics *June 2016 - August 2016*
Research Intern *India*
· Data Analysis: Analyzed emission lines in the spectral data of a classical nova using Image Reduction and Analysis Facility (IRAF) ⦿

PROJECTS

Flight Delays Prediction
· Developed a framework to predict flight delays based on historical delays and past weather data
· Performed feature transformations on input and target variables to improve model performance

Spam Classification using Perceptron
· Developed a model from scratch using perceptron and averaged perceptron algorithms
· Used hyperparameter tuning to find the best model which produced a test error of only 2.1%

Fine-tuning RoBERTa for Content Moderation on Reddit ⦿
· Wrote a paper on implementing an automatic comment-flagging system based on the rules of a specific subreddit using BiLSTM and RoBERTa models
· The RoBERTa model fine-tuned on a labeled dataset of flagged comments from the r/nba subreddit achieved an accuracy of 77.19% and recall value of 0.875

EXTRAS

Attended the NYC WiMLDS: Intro to PyTorch workshop hosted by Facebook AI
Secured first place in the Datathon organized by Understood.org, hosted by NYU Center for Data Science

SKILLS

Languages	Python, Java, C++, Matlab, SQL
Relevant Tools	MySQL Workbench, Google Colaboratory, TensorFlow, PyTorch, scikit-learn
	Git, LaTeX