

Praxal Patel

(516) 707-1006 | praxxals@gmail.com | [linkedin.com/in/praxal](https://www.linkedin.com/in/praxal)

EDUCATION

New York University, Center For Data Science (GPA: 3.91/4.0)

New York, NY

Master of Science in Data Science

May 2021

- Relevant Coursework: Probability and Statistics, Machine Learning, Natural Language Understanding, Big Data, Deep Learning

Institute of Technology, Nirma University (GPA: 3.8/4.0)

India

Bachelors of Technology in Computer Engineering

May 2019

- Relevant Coursework: Deep Learning, Machine Learning, Calculus, Linear Algebra, Algorithms, Cloud Computing

WORK EXPERIENCE

Revelio Labs

New York, New York

Data Scientist

Jul 2021 - Present

- Employed an innovative approach to build company embeddings using Graph ML algorithms like Node2Vec.
- Working towards deploying a salary prediction model using Bayesian Additive Regression Trees.
- Deliver custom client requests by curating and structuring unstructured public profile and job postings data through the use of proprietary algorithms.

Coursera

Mountain View, CA

Marketing Data Scientist Intern: ML Group

Oct 2020 - Dec 2020

- Formulated a Health Dashboard to gauge continual performance of Coursera's Degree Recruitment Engine and built a system for automated hold-out sets for A/B/C tests
- Revised the Degree Forecasting model by leveraging a Bayesian approach to enhance prediction estimates of final application submitted for Coursera degrees

Wellness Space

India

Data Analyst | Technical Consultant

Jan 2019 - Jun 2019

- Engaged in studying Heart Rate Variability through 24-hours ECG signal data by developing SVM and LSTM models to predict a person's state of emotional arousal and analyzed key parameters associated with mental stress
- Deployed a self-monitoring application to help clients monitor stress levels and comprehend effect of various activities on heart rate; Performed anomaly detection on the ECG data for artefact correction

SKILLS & INTERESTS

- Tools & Technologies: Scikit-Learn, Tensorflow, Keras, PyTorch, Scipy, PySpark, NumPy, Pandas, Matplotlib, Plotly, GCP, AWS
- Programming Languages: Python, SQL, R, Java, C++, JavaScript, Hadoop, Spark, Hive

ACADEMIC PROJECTS

Impact of Career Development Services in Career Outcomes

Sep 2020 - Dec 2020

- Quantified impact of NYU Wasserman Center for Career Development on students' actual career outcomes
- Designed a framework to determine most important career coaching activities by developing Logistic Regression (78% accuracy) and Decision Trees (87% accuracy) models having "Job Secure date" as target variable

Evaluating Summarization Tasks Using Sentence-BERT

Mar 2020 - May 2020

- Devised a novel metric by employing sentence embeddings from SentenceBERT for evaluation of Summarization Tasks (Dataset- 226,711 BBC news articles)
- Validated SentenceBERT Score correlates better to human evaluation than traditional evaluation metrics like ROUGE and BLEU

Diabetic Retinopathy Detection Using Deep Learning

Jan 2018 - Dec 2018

- Identified Hard Exudates, Soft Exudates, Microaneurysm and Hemorrhages as key factors for detection; deployed CNN models to identify Retinopathy (Sensitivity-0.94) and leveraged the Ensemble Method to ascertain stage of Retinopathy