

Kunj Chetan Mehta

[Writer on Medium](#) | +91 9004185066 | kcm161@scarletmail.rutgers.edu | [linkedin.com/in/kunjmehta](https://www.linkedin.com/in/kunjmehta)

EDUCATION

Bachelor of Technology in Computer Engineering Mumbai University, India <i>Percentage – 79.04%</i>	Oct 2020
Higher Secondary in Science Pace Junior Science College, Thane, India <i>Percentage – 87.60%</i>	May 2016
Secondary Pawar Public School, Bhandup, Mumbai, India <i>Percentage – 95.16%</i>	May 2014

PUBLICATIONS

- Mehta, K., Chodvadiya, H. and Sankhe, S.R. “**Simplification with the Transformer - Its Drawbacks**” *International Journal of Computer Sciences and Engineering* 8.6(2020): 1-5. [\[link\]](#)
- Mehta, K. “**Abalone Age Prediction Problem: A Review**” *International Journal of Computer Applications* 178.50(2019):43-49. [\[link\]](#)

EXPERIENCE

Quantiphi, Inc. | *Mumbai, India* **Oct 2020 – Present**

Business Analyst

- Tried to understand and satisfy client requirements with our machine learning capabilities as a part of capability presentation meetings
- Brainstormed on go-to market strategies targeting different regions around the world resulting in interest from 7 potential customers with an average turnover of \$5 million
- Owner of the ongoing RFP response for an analytics and data warehouse infrastructure for a large soccer tournament to be held in Qatar

IPLit Solutions LLP | *Thane, India*

Feb 2020 – Mar 2020

Freelance Android Developer

- Developed and deployed an Android application for handsfree token printing for use in hospitals and clinics
- Currently in use in one hospital with an average 50 tokens generated each day

Fractal Analytics | *Mumbai, India*

Jan 2019 – Apr 2019

Project Intern

- Built and tested a standalone model for product classification that was to be incorporated into the pipeline as part of the consumer behavior analysis project for a Fortune 500 company
- Scrapped 1000+ images of representative products from e-commerce websites and created a dataset by annotating 3000+ product images
- Obtained an average accuracy of ~80% from the model in classifying 50 categories of products

PROJECTS

New York Taxi Fare Prediction | **Big Data** (*Python, pandas, matplotlib, PySpark, AWS EMR, AWS EC2*)

[\[Repository\]](#)

- Executing a big data project on the cloud, I worked with a 55 million rows dataset to analyze and predict the taxi fares for different locations in New York
- Analyzed the feature distributions and performed feature engineering to capture trend differences across time, between different boroughs and at airports
- Leveraged PySpark along with AWS EMR to train a Random Forest model on the augmented dataset and obtain a RMSE error of 4.28

FPL Teammaker | **Data Analysis** (*Python, numpy, pandas, streamlit, matplotlib, PuLP*)

[\[Repository\]](#)

- Developed and deployed an application that analyzes data to build an optimized team for the Fantasy Premier League, the fantasy soccer game for English soccer
- Performed exploratory data analysis on the cleaned data from the Fantasy Premier League API using pandas.
- Added features into the application to allow users to customize the team-building parameters, focused majorly on player form and points scored
- Achieved a rank in the top 2% out of 8 million players by entering a team that leveraged this application

Final Year Project | **Natural Language Processing** (*Python, Pytorch, Flask, Selenium*)

[\[Repository\]](#)

- Tried to build a MVP that could take or detect text as input and simplify it by removing the jargon, thus making it easier for English Second Language Learners to understand
- Trained variants of the Transformer models in Pytorch on the Simple English Wikipedia and PWKP datasets to capture the semantics of the sentences which can then be reconstructed in a simplified manner
- Preceded the transformer architecture with a Complex Word Identification model that flagged the complex words for the transformer to simplify in a trial-and-error effort to improve the performance of the pipeline

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TECHNICAL SKILLS

- **Proficient:** Python, Java, SQL, Android, Selenium, Supervised Machine Learning, CNNs
- **Moderate:** Pytorch, Javascript, Flask, NLP, Looker, numpy, pandas, scikit-learn, matplotlib, PySpark
- **Beginner:** AWS Sagemaker, AWS Lambda, AWS EMR, Julia, Google Big Query

CERTIFICATIONS

- LookML Developer | **Looker** [\[certificate\]](#)
- Machine Learning Engineer | **Udacity** [\[certificate\]](#)
- Applied Data Science with Python | **Coursera** [\[certificate\]](#)
- Machine Learning | **Coursera** [\[certificate\]](#)

COMMUNITY ENGAGEMENT

- Writing for [Medium](#) publications like Towards Data Science and Towards AI with 10K+ views of my articles
- Volunteered to rehabilitate runaway children for an NGO in Thane, India
- Visited Vechtdal College, Netherlands as a cultural exchange student
- Was a senior member of the extended Student Council and the Photography Club during my undergraduate years
- Have written articles for the annual undergraduate college magazine Kshitij