Kunj Chetan Mehta

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EDUCATION

Bachelor of Technology in Computer Engineering | Mumbai University, India | CGPA – 8.52/10 **Oct 2020**

Relevant Coursework – Artificial Intelligence, Machine Learning, Data Warehousing and Mining, Distributed Cloud Computing, Digital Image Processing, Advanced Database Management System, Analysis of Algorithms, Data Structures, Operating System

Higher Secondary in Science | **Pace Junior Science College, Thane, India** | *Percentage – 87.60%* **May 2016**

EXPERIENCE

Quantiphi, Inc. | *Mumbai, India* **Oct 2020 – Present**
Business Analyst
- Understood and mapped client requirements with our ML capabilities for 10+ clients
- Brainstormed on go-to market strategies targeting different regions around the world resulting in interest from 7 potential customers, all whose revenue totaled to $2 billion
- Initiated the creation of an org-wide internal repository to keep track of all the advancements in machine learning and deep learning algorithms, starting with 30 algorithms

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 of 50 SKUs (80% accuracy) that was 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 using Selenium and created a dataset by annotating 3000+ product images for training the model

PROJECTS

New York Taxi Fare Prediction | **Big Data** *(Python. pandas, matplotlib, PySpark, AWS EMR, AWS EC2)* [Repository]
- Worked with a 55-million-rows dataset on the cloud to analyze and predict the taxi fares for different locations in NY
- 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 RF 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 performs EDA on the Fantasy Premier League (FPL) data using pandas to build an optimized team for entry into FPL, the fantasy soccer game for English soccer
- Added features into the application to allow users to customize the team-building parameters, focusing 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

Reminder – Todo List | **Android Development** *(Java, Android)* [Repository]
- Developed an Android application that acts as a combination of a reminder apps and a notes app
- Published the app on Google Play Store, and currently has 50+ installs with a rating of 4.6

TECHNICAL SKILLS

- **Development:** Python, Java, SQL, PySpark, JavaScript, Android, Julia, Adobe Photoshop, Adobe Indesign
- **Frameworks and Libraries:** numpy, pandas, matplotlib, scikit-learn, MLlib, Looker, streamlit, Pytorch, seaborn, Flask
- **Cloud Services:** AWS Sagemaker, AWS EMR, AWS Lambda, Google Big Query
- **Machine Learning Theory:** Regression, Decision Trees, Clustering, Ensemble Models, EDA, CNNs, NLP, Time Series

CERTIFICATIONS

LookML Developer | **Looker** [certificate]   Certified Cloud Practitioner | **AWS** [certificate]
Machine Learning Engineer | **Udacity** [certificate]   Applied Data Science with Python | **Coursera** [certificate]
Machine Learning | **Coursera** [certificate]

RESEARCH

- 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]

ADDITIONAL ACTIVITIES

- Writing for Medium publications like Towards Data Science and Towards AI with 25,000+ views of my articles
- Certified to teach maths, block coding and Python to K-12 students on Cuemath, a e-learning startup
- Rehabilitated 10+ runaway children as a volunteer for an NGO in Thane, India
- Handled a team of 10+ photographers as a senior member of the Photography Club of my undergrad college
- Written 4 articles for Kshitij, the KJ Somaiya College of Engineering college magazine
- Visited Vechtdal College, Netherlands as a cultural exchange student