

Mital Pattani

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Education

Bachelor of Engineering in Electronics and Telecommunication

August 2014 - May 2018

University of Mumbai, Dwarkadas J. Sanghvi College of Engineering, Mumbai, India

Professional Experience

Pharmeasy - 91streets Media Technologies Private Limited

August 2018 - September 2019

Data Scientist

- Maintaining Master Data Management system that holds over 200K products and fixing issues in data cleaning and warehousing pipelines by doing an end-to-end analysis of the system
- Development of in-house tools using Django, NestJS and NextJS codebase, for data clean-up and mapping that helped to clean approximately 1k to 2k product data per week
- Authored a micro - service used for data transfer between different services and platforms that became an integral part of data management pipeline. Authored web scrapers for more than 500K products from different websites for competitive analysis using selenium and Denodo IT Pilot
- Automated google sheets customization that improved the performance of dashboard data snapshots, mapping and various ad-hoc requirements to less than 5% of the original turn-around time

Acuradyne Medical Systems Pvt. Ltd, Indian Institute of Technology, Bombay

August 2017 - August 2018

Research Intern

- Conceptualized and worked on developing physiotherapy products using sensor systems, using platforms such as Arduino, Android Studio and Kinect. Developed games to assist physiotherapy exercise, using Kinect for motion detection
- Researched on making a device for pre-ictal epilepsy detection, using feature extraction methods to identify EEG signals commonly observed before the onset of the epileptic attack

Freelance and Major Projects

Machine Learning and Python Development- Freelance

May 2020-present

- **Domain Adaption for Transfer Learning** - This project is a part of research project, we wish to classify point-cloud images generated by CAM by learning on a well labelled CAD point-cloud image dataset. Compared different transfer learning models to find the best fit for the data
- **Data analytics and visualization** – Making data visualization service for match statistics for players of an online game. Includes designing a database and making dashboards for analytics.

M5 Forecasting – Accuracy (Kaggle Competition)

February 2020-present

- Predicting sales in stores in various locations for 28 days. Data visualisation and statistical approaches such as top-down and ARMAX is underway

Smart Doodle – Google QuickDraw (Final Year Project)

2017-2018

- Phase1: Hand drawn crude sketches classification using feature detection technique such as bag of words
- Phase2: Developed a generative adversarial network model for QuickDraw sketches

Skill and experiences

Programming Tools: Python, NestJS, NodeJS, SQL, C++, C#, ML Azure, Matlab, Django, Excel, MongoDB, NOSQL, Tableau.

Online Courses: Machine Learning on Coursera by Andrew Ng (Audited), Fitting Statistical Models to Data (Audited).

Leadership and Management

DJLIT – Secretary/co-Founder: One of the founding members of a literature society and the official E-newsletter DJVU.

Football: Played and won multiple inter-college football tournaments as a part of DJ Sanghvi's college football team.