Tanay Kulkarni

tanaykulkarni06@gmail.com | tanaykulkarni.github.io | linkedin.com/in/tanaykulkarni06 |
+1 (812)-369-0671 | Bloomington, IN

EDUCATION:

Indiana University, Bloomington, IN   Dec-2022
Master of Science in Data Science   *3.67* **GPA**

University of Mumbai, Mumbai, India   Jun-2020
Bachelor of Engineering in Information Technology   *3.7* **GPA**

WORK EXPERIENCE:

Research Assistant - *Kelley School of Business, Bloomington, IN*   May 2021 - Jul 2021
- Worked on Named Entity Recognition (NER) and biography parsing using StanfordCoreNLP and NLTK packages
- Designed and developed a one-stop UI to parse biographies in the form of text and files, which saved more than 50% of code usability time and expanded its scope of utilization to the non-technical professionals

Product Data Analyst Intern - *smallcase Technologies Pvt Ltd, Bangalore, India*   Jul 2020 - Jan 2021
- Implemented MongoDB queries in Redash to generate interactive data visualization dashboards which helped the stakeholders to determine and recommend profitable stocks to the clients
- Enhanced the automation pipeline and expedited the process for generation and delivery of MIS reports by 40 % which reduced using Google Apps Script

Co-founder - *[SPECable](), Mumbai, India*   Aug 2019 - Jun 2020
- Ideated, designed and led the development of an assistive technology for children having Dyslexia and Dysgraphia helping them read on the go and correct errors while writing so that they could be on par with their peers

PROJECTS:

Demand Forecasting for COVID-antibody treatment - *Eli Lilly*
- Translated different patterns and seasonalities in the COVID-19 cases and delivered demand predictions specifically for the elderly and the obese using different time-series forecasting techniques
- Presented our results and insights to the company's leadership to help them strategize long term solutions

Customer reaction analysis using emotion recognition model
- Integrated the facial emotion recognition model and an aspect-based LSTM model for Natural Language Processing to make a comprehensive and reliable hybrid model for reaction analysis
- Publication - *Customer reaction analysis using Convolutional Neural Network and Aspect based LSTM Model -* **eISBN 978-1-7281-4167-1**

Recommendation System for E-learning portal
- Clustered the users using user-profiling techniques and recommended content to the users based on their content-interaction history and similarity with other peers in the same user pool
- Publication - *User Profiling Based Recommendation System for E-Learning -* **eISBN 978-1-7281-2327-1**

SKILLS:

Programming Languages: Python, R
Frameworks/Technologies: MongoDB, MySQL, NLP, PySpark, FastAPI, Bootstrap, JavaScript
Miscellaneous: Flutter, Hyperledger Composer, Docker, Power BI, Tableau

ACHIEVEMENTS AND PUBLICATIONS:

- Patent: **Analysing the inputs from eyewear with camera, recorder and brain activity sensor** (under ownership)
- Potential customer classification in Customer Relationship Management using Fuzzy Logic **eISBN 978-3-030-38040-3**
- Blockchain: A new way to revolutionize CRM systems **ISBN 9781771889148**
- National Runners up India - KPMG Ideation Challenge 2020