Tanay Kulkarni

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

EDUCATION:

Indiana University, Bloomington, IN   May-2022
Master of Science in Data Science

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

Indira Gandhi National Open University, Delhi, India   Jun-2023
Bachelor of Arts in Psychology

TECHNICAL SKILLS:

Programming languages: Python, R, SQL, Scala, JavaScript, HTML, CSS, Bootstrap

Big Data/ Cloud/Machine Learning: PySpark, TigerGraph, MongoDB, AWS(S3, EC2, Sagemaker), Predictive Modeling

Data Science/ Product/ Miscellaneous: A/B testing, ETL, Data Science pipeline,, Tableau, Git, Product Lifecycle Management, Product Strategy, Agile Methodologies, JIRA

WORK EXPERIENCE:

Applied AI/ML Associate Sr- *JPMorgan Chase & Co., Wilmington, DE*   Jun 2022 - present
Fraud Acquisition and Credit Abuse Team - CCB Risk

- Currently leading team's **model performance reporting** to the risk and governance team every quarter ensuring adherence to the regulatory and compliance standards
- Managing end-to-end ownership of the Real Time Portfolio Bust-Out Model overseeing all aspects from development and maintenance to optimization and BAU requirements
- Spearheaded the **production implementation validation** of the Demand Deposit Account (DDA) Origination Fraud model, including comprehensive verification of the TigerGraph component in the live environment. Also, helped the downstream strategy team with strategy rule recommendations to make informed acquisition decisions
- Led the development of a multiclass Card Origination Fraud Model capable of detecting both first party and third party fraud utilizing **advanced feature selection techniques and Bayesian optimization** using custom-designed metric to maximize model performance. The model has a business exposure of $20MM
- Exploring **advanced graph-based feature engineering** for card acquisition models and researching optimization techniques to enhance the capabilities of current production machine learning models in the team

Analytics Consultant - *Tredence Inc., Foster City, CA*   Jan 2022 - Apr 2022
Last Mile Delivery, Insights and Analytics Department - Walmart Inc.

- Created a custom scheduled query and dashboard to show *daily delivery metrics* for Walmart's Spark Drivers across 5000 stores in the United States to the delivery network managers
- Optimized existing SQL queries to reduce the data processing time by ~30% for the Delivery Network Managers (DNM) with faster dashboard refreshes

Co-founder - SPECable*, Mumbai, India* ↖   Aug 2019 - Jun 2020

- Led the development of an *assistive technology* for children having Dyslexia and Dysgraphia helping them read on the go and correct errors dynamically while writing so that they could be *on par with their peers*

PROJECTS AND PUBLICATIONS:

- Utilized *hybrid filtering methods* in recommendation system to provide personalized and adaptive e-learning content ensuring learners receive recommendations tailored to their evolving interests and learning behaviors - eISBN 978-1-7281-2327-1 ↖