**Arnab Chakraborty**

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**Education**

**Master of Science, Information Systems**

Northeastern University, Boston, MA Expected May 2024

* Volunteered for AI Skunkworks community, conducted AI workshops and researched new advances in data science

**Bachelor of Engineering, Computer Engineering**

University of Mumbai, Mumbai, India May 2019

**Experience**

**Senior Business Analyst** Jun 2021 - Sep 2022

Quantiphi, Mumbai, India

* Spearheaded development of an Enterprise-wide Product Availability report on PowerBI identifying monthly revenue leakages of $15 MM for over 25K supermarkets using statistical models
* Reduced annualized OPEX by 12 basis points and time to generate sales order by 60% by semi-automating process for over 200k stores utilizing time series modeling techniques
* Led a team of 10 in engineering a computer vision based palette picking assistance and inventory estimation system across 3 warehouses
* Introduced a Responsible and Ethical AI compliance framework; organized monthly business reviews and technical audits; devised growth strategies for retail sector by collaborating with sales and marketing team

**Business Analyst** Jun 2019 - May 2021

Quantiphi, Mumbai, India

* Increased annual revenue by $4 MM and optimized refill rate by 28% for 300K vending machines by providing real-time recommendations based on collaborative filtering and product popularity
* Built a customer churn model with a 75% recall and prescriptive reports on Tableau to retain restaurant business
* Mentored 200+ campus recruits; supervised training schedules, and designed evaluation framework

**Academic Projects**

**The Economics of Happiness, Northeastern University** Nov 2022 - Dec 2022

* Determined impact of 7 key economic indicators on 150 countries happiness score by scraping public datasets, stacking multiple regression models and performing Shap analysis

**Profile evaluation for higher studies, Mumbai University** Jan 2019 - Apr 2019

* Advised 50+ undergraduates by evaluating academic profiles and recommending suitable universities and courses/streams for higher education leveraging educational data mining
* Published in 12th International Conference on Recent Development in Engineering Science, Humanities and Management at The International Centre Goa, India

**Skills**

* Programming: Python, Javascript, Spark, SQL, Java, C++
* ML/DL Frameworks: SKLearn, Tensorflow, Keras, PyTorch, PyCaret, H20.ai, MLlib
* API/Web Development Frameworks: Node.js, Express.js, React, Flask, Django, FastAPI, Streamlit
* Cloud/Data Warehouse: AWS, Azure, GCP, Databricks, Snowflake
* BI Tools: PowerBI, Tableau, Looker
* Business: Client communication, Retail & CPG experience, Market research, Requirements gathering, Project scoping & proposal, Storyboarding, Growth Strategy, Documentation

**Key Accomplishments**

* 10th AEGIS Graham Bell award: Finalist in category of Innovation in Data Science
* Honored with Kaizen and One for All award by Quantiphi, and Delivery Excellence by CONA Services
* Certified Tableau Desktop Specialist and GCP Associate Cloud Engineer