Saish Mayekar

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[GitHub](https://github.com/saish20) | [LinkedIn](https://www.linkedin.com/in/saish-mayekar-a9505121/) | [Tableau](https://public.tableau.com/app/profile/saish.mayekar)

# Education And Honors

**The University of Sheffield,** Department of Computer Science

Masters, Data Analytics Sep. 2021

**Mumbai University**

Bachelor of Engineering, Electronics and Telecommunications Aug. 2014

# Skills

* **Skills:** Python (Scikit-Learn, NumPy, Pandas, PySpark, Matplotlib, Plotly), Machine Learning, Natural Language Processing (NLP), Streamlit, Generative AI, SQL
* **Data Visualization:** PowerBI, Tableau, Google Looker
* **Miscellaneous Technologies :** MS Azure (Data Flows, Pipelines, Azure Functions), Agile, Excel, Git

# Technical Projects

**Active Learning for Lifelong Learning Machine Translation** ([*Dissertation*](https://github.com/saish20/allies_llmt_beat/tree/1_ActiveLearning_Saish))  Jun. 2021 – Sep. 2021

* Applied ***Active Learning*** on the existing Lifelong Learning Machine Translation system for English – German corpus
* Devised ***sampling strategies*** for human-assisted translation based on Quality Estimation scores
* Achieved a BLEU score of 36.6867 on EN-DE corpus beating the baseline model by over 20 points

**Machine Learning for Drug development for AstraZeneca** ([*Industrial Team Project*](https://github.com/pz-white/COM6911-DTI-2021/tree/master/Delta))Feb 2021. – May 2021

* Led a team of 3 classmates to implement a basic and an advanced (similarity matrices) ***Matrix Factorization*** model for the problem of predicting the Drug Target Interaction
* Drove team meetings and delivered presentations to provide weekly updates to the supervisor
* Put forth the findings and pitched actionable insights to the Global Team Leader, Director w/ Data Science and AI group, AstraZeneca

# Professional Experience

**PA Consulting**,*Consultant Analyst* Mar. 2022 – Present

* Implementing a POC migrating Qlik dashboards to Google Looker to optimize the data model, improve visualization capabilities and streamline the reporting process
* Built a PowerBI dashboard to measure, monitor and report with transparency on PA's carbon emissions
* Successfully led and **upskilled** technical team to create a POC enhancing an existing, Global Market Screening Tool, an Excel tool to an interactive and user-friendly Python app using Streamlit
* Created and developed a range of bespoke and standardized data processing **pipelines** as part of Azure data engineering solution for Hospital Insights
* Conducted quality assurance of HSBC’s inventory data by **extracting** regulatory handbooks across 12 geographies and running cosine similarity to assure completeness and accuracy of the inventory
* Contributed to multiple Request for Proposals (RFPs) by providing technical expertise in various areas including but not limited to natural language processing (NLP), MLOps, cloud computing, etc.
* Built a Tableau dashboard that assesses cross-sector organizational resilience maturity to support PA’s resilience offering

**IBM**, *Advisory System Analyst* Apr. 2020 – Oct. 2020

* Enhanced the functioning of an internal chatbot tool built on Big Data, ML techniques, and HTML
* Reviewed and treated the training data as part of ***data cleaning***, which led to a performance improvement of ~5%

**Deloitte**,*Consultant*  Jun. 2018 – Apr. 2020

* Engineered architecture and designed robust business solutions using SAP ABAP on HANA
* Collaborated with the Business Development team to execute UAT at the client location
* Optimized existing code for multiple reports by implementing methodologies like ***parallel processing*** and ***code pushdown***

**Accenture**,*Application Development Senior Analyst* Sep. 2014 – Jun. 2018

* Extended SAP version comparison in a report to generate PDF with the delta as output as a part of automating the process of creation of a Fix Resolution Document Creation, resulting in saving ~30 hours per week of manual work
* Created Employee Time Charging report for the project’s internal use as a part of ***automation***
* Conducted Design Thinking workshops to arrive at creative and innovative solutions for complex issues

# Achievements

* Won Applause award during the UAT cycle, 2020
* Won multiple Spot awards during the UAT cycle, 2019
* Won “Accenture Celebrates Excellence (ACE)” award winner FY17 Q2
* Winner of “The Enabler Award”, 2016
* Consecutive Winner of “Good Samaritan” award (2015 and 2016)

# Miscellaneous and Interests

* Part of PA’s HLS People team that organizes monthly town hall
* Academic Representative at the University of Sheffield, Department of Computer Science, Postgraduate Taught, 2020-21
* Interests: Football, Cricket, Hikes