Pavan Borole

pborole2@illinois.edu | +1-217-693-8978 | LinkedIn

EDUCATION

University of Illinois, Urbana Champaign   Champaign, USA
Master of Science in Information Management; GPA: 4.0   *January 2021 - May 2022*

University of Mumbai   Mumbai, India
Bachelor of Engineering in Electronics and Telecommunication; GPA: 3.5   *August 2015 - July 2019*

EXPERIENCE

AGCO Corporation   Champaign, USA
Market Intelligence Intern   *October 2021 - present*
- Identified key factors and data sources required to build a market intelligence model for AGCO's Grain&Protein division that could provide consistent and uniform global and regional market reports.
- Developed a data pipeline by aggregating the data sources and analysing data using AWS S3 and Athena.
- Responsible for automating Tableau dashboards using the data pipeline to enable strategic market reporting.

University of Illinois System-AITS   Champaign, USA
Data Science Analyst Intern   *April 2021 - October 2021*
- Automated the process of identifying the scope and domain of research projects. Designed a workflow to extract text from research proposal PDFs and identify keywords from the abstracts present in research proposals using LDA and RAKE algorithms. This reduced the time for project completion by 15%.
- Developed a machine learning model that uses Latent Dirichlet Allocation(LDA) to create a body of tweets(from data pulled through the Twitter API) and extract the most relevant trending topics based on domain specified.
- Utilized Oracle SQL Developer, Talend(ETL) and KNIME to generate BI reports to deliver strategic insights.

Altizon Inc.   Pune, India
Solutions Analyst   *August 2019 - December 2020*
- Collaborated with the client's operations staff to understand business challenges and design solutions to streamline processes, improving manufacturing efficiency and reducing downtime by 13%.
- Developed Python scripts to extract, clean and transform network data from the cloud and automate data acquisition and collection processes. This reduced the time required for process completion by 50%.
- Analyzed and interpreted large datasets and visualized data on dashboards using Apache Superset which helped for driving data driven business solutions and enhance production by 8%.

PROJECTS

Hybrid Movie Recommendation Engine
- Combined content and collaborative filtering models to create a hybrid movie recommendation engine by using ML and NLP libraries. Tested the engine by using a dataset created by scraping data from TMDB.
- The engine offers recommendations that are more personalized and tailored towards each user.

NYC Taxi and Uber Trips Analysis
- Analyzed over 133 million trips of publicly available taxi and Uber data through exploratory data analysis.
- Visualized the trends that defined the city's habits before and after the COVID-19 pandemic using Tableau.

LEADERSHIP & VOLUNTEER EXPERIENCE

Sponsorship Committee(Operational Head): Led and managed a team of students to effectively carry out a comprehensive set of tasks and raise funds for the college technical festival.
Make A Difference(Ed-Support Volunteer): Volunteered at an NGO where I taught shelter home children Math.

TECHNICAL SKILLS

Languages and Databases: Python(pandas, NumPy, sklearn, keras, tensorflow, nltk, transformers, vaex, seaborn, plotly), R, C++, MySQL,PostgreSQL, neo4j, MongoDB, Greenplum, HTML
Tools: Jupyter Notebook, Tableau, PowerBI, Apache Superset(BI), AWS, Azure, KNIME, Talend, Git, Docker, Linux, Oracle SQL Developer, SAP BusinessObjects, MS Excel
Skills: Data Cleaning, Data Visualization, Exploratory Data Analysis, Data Mining, Hypothesis Testing, Time Series Forecasting.