Aditya Milind Pansare

Atlanta, GA

(470) 601-1597 | adityapansare@gatech.edu | adityapansare.github.io | adityapansare | US Citizen

Education

Georgia Institute of Technology **Aug. 2021 – May 2023**

Master of Science, Computer Science (MSCS) | Specializing in Machine Learning | ***GPA - 4.0*** *Atlanta, GA*

Relevant Coursework: Algorithms, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Data Visualization, Big Data Systems and Analytics, Information Security, Qualitative HCI Methods, Global Entrepreneurship, General Psychology, History of Sports, Science & Technology

NMIMS Mukesh Patel School of Tech Management & Engg. (MPSTME) **Jun. 2016 – May 2020**

Bachelor of Technology, Computer Engineering | Awarded "Meritorious Student" *Mumbai, India*

Relevant Coursework: Algorithms & Analysis, Databases & Management, Machine Learning, Data Warehousing & Mining, Operating Systems, Computer Architecture

Experience

Nike Inc. **Jul. 2023 – Present**

Data Engineer | Technologies: Airflow , PySpark, SQL, Tableau, Snowflake, AWS *Atlanta , GA*

- A part of the End-to-End Market Capabilities Team within the Enterprise Data & Artificial Intelligence Organization.
- Working on creating & regulating data pipelines for Nike's Integrated Marketplace Data.

Nike Inc. **Jun. 2022 – Aug. 2022**

Data Engineering Intern | Technologies: Airflow , PySpark, SQL, Pandas, Tableau, Snowflake *Beaverton , OR*

- Improved and onboarded Airflow DAGs, PySpark scripts, & SQL queries from a legacy platform to an advanced platform. Reduced latency by 8 hours per week and lowered the error rate & interruption.
- Analyzed and visualized the data load from the Inventory Management product to derive insights. Laid the foundation for data forecasting using machine learning to detect and predict trends to help business teams increase retail profit.
- Won 2^{nd} place in the Intern Hackathon; developed a recommender engine for personalized outfit generation using a React-Flask App. The project would help increase user retention by 45%.

Skills

Programming Languages: Python, C++, C, Java, HTML/CSS, JavaScript, SQL, MATLAB, R, Kotlin
Platforms/Technologies/Frameworks: Android Studio, SAS, VS Code, Git, Flask, AWS, React, Nodejs, Apache Airflow, PySpark, Hadoop, Tableau, Dedoose
Interpersonal/Soft Skills: Creative Writing, Public Speaking, Leadership, Agile Thinking

Projects

Federated Learning Using Sentiment Analysis | Code </> | Project Website

Python, PyTorch, Pandas, Seaborn **April 2022**

- Simulated an overlay peer-peer network to train across multiple devices without sharing data using PyTorch.
- Enabled these devices to collaboratively learn a prediction model built using BERT, DistilBERT and RoBERTa.

Gilbreth - Extracting Flowchart Features into a Structured Representation | Code </> | Project Report

Image Processing, Deep Learning, Programming Lang; Python, OpenCV, YOLOv3, LARK Parser **Apr. 2020**

- Devised a tool that accepts an image of a flowchart, extracts its features into a knowledgebase, and processes & represents them in a structured graphical representation.
- Facilitated object detection by using Deep Learning to identify shapes (99.82% mAP), lines and arrows (88.14% mAP).
- Used Google Cloud Vision's Optical Character Recognition (OCR) for identifying text present in these flowcharts (84.00% confidence).

MusicManaged - A MEEN Stack Web Music Player | Code </> | Blog

MEEN Stack [MongoDB, ExpressJS, EJS, NodeJS], JQuery, AJAX, RedHat OpenShift (Deployment) **Nov. 2019**

- Designed & Engineered a website which allowed users to manage their music library online by uploading *.mp3s* and change/review the detected audio metadata to manage song listings.
- Created a streaming module which allowed users to stream music over different networks, devices & configurations.

Publications

Detecting Parkinsonian Symptoms using Data Analysis **Mar. 2019**

2019 IEEE 5th International Conference for Convergence in Technology (I2CT) *Pune, India*

Proposed a multi-modal approach to use 3 different physical markers to detect early onset of Parkinson's Disease while avoiding invasive assessment.