Pradyumn Kumar Pottapatri

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EDUCATION

Georgia State University, J. Mack Robinson College of Business   **December 2022**
MS in Data Science and Analytics   **GPA: 4.26/4.3**
Coursework: Data Visualization, Data Management for Analytics, Statistical Foundations (using R), Data Programming

IIIT Gwalior   **June 2021**
Bachelors of Engineering in Computer Science   **CGPA: 8.19/10**
Coursework: Game Theory, Object-Oriented Programming, Algorithms and Data Structures, Machine Learning, Pattern recognition

SKILLS

Computer Languages: C/C++, Python 3, SQL, R, Git, Javascript, HTML, CSS, C#
Software Tools and OS: Anaconda 3, R Studio, MATLAB, Windows, Linux (Ubuntu | Arch), Unity3D, Adobe Photoshop

EXPERIENCE

Georgia State University   **Atlanta, GA**
Graduate Research Assistant – Institute for Insight   August 2021 – Present
- Developed machine learning models to verify supply chain ethics of Fortune 500 companies through text articles
- Analyzed 1800 articles and assigned 5 labels to articles by 3 rounds of quality analysis and increased the probability of correct predictions by 15%
- Created 4 ML models with **TF-IDF** word vectorization for evaluating text and accomplished **80%** average accuracy for all 5 labels with **75%** average precision and **70%** average recall for each label

PROJECTS

Retrieving Financial Estimates from Estimize   **Atlanta, GA**
(Python | Web Scraping | Regression | Database management)   Fall 2021
- Extracted information required **for 4 quarters** of the financial year 2019 from Esimize.com for 50 various companies
- Built 17 excel sheets containing data for Company information, Analyst's information, EPS Estimates, and other required tables
- Optimized the code to extract the data under 4 hours for all of the tables therefore decreasing the runtime by 30%
- Performed regression analysis and accomplished an **R2 score** of **0.43** for multilinear regression and **0.57 for OLS regression**

Credit Card Approval Prediction   **Atlanta, GA**
(Python | Machine Learning | Data Analysis)   Fall 2021
- Initiated analysis for two different csv files and merged them into a single dataset after cleaning the csv files
- Visualized the data using **seaborn** and **matplotlib** for better understanding of the customer employment history with the approval rate of credit card
- Implemented **Decision Tree** and **XGBoost** classifier into an automated AI system for credit card approval with 80% accuracy

Undergraduate Thesis: Multimodal Fake News Detection   **Gwalior, MP, IN**
(Python | Data Analysis | Deep Learning)   Spring 2021
- Executed a **multi-modal** neural network model using **LSTM and CNN** and detected fake news from image and text data
- Filtered image and textual data to extract **visual and textual features** from 3 input datasets
- Implemented the model and achieved **92%, 55% and 74%** accuracies on test data by recreating the model for a low-end machine

HONORS AND LEADERSHIP

- One of the **winners** in Hackin'City by Infotsav'19 at IIIT Gwalior
- **Bronze Medalist** - SOF International Mathematics Olympiad
- Winner of Littera - Short Story and Pictionary at Uthaan IIITM
- Served as a **Public Relations** and Senior Executive in **Student Council** - ABV IIITM (Aug'19 - Jan'20)
- Volunteered for the fest Infotsav'19 (Nov'18 - Feb'19) as a Marketing Executive and Event Organizer for a main event 'Whizz Troop'