Siddhant Pahade

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EDUCATION

Masters of Science in Computer Science Aug 2023 – May 2025 | Springfield, IL
University of Illinois, Springfield
Coursework:- Data Visualization, Computer Ethics for Computing Professional, Intro to Database.

Bachelor of Engineering in Computer Science Aug 2018 – Jun 2022 | Nashik, India
SNJB's College of Engineering (CGPA : 9.06/10)
Coursework:- Data structures, and algorithms, Discrete Mathematics, Database Management Systems, Data Analytics, Machine Learning, Business Intelligence, Web technology.

PROFESSIONAL EXPERIENCE

Feynn Labs Apr 2023 – Jun 2023
Machine Learning Engineer | Python, Machine Learning Algo.
Project 1: Fake News Detection
- Created AI-based solution to detect fake news, combat spam, and ensure credibility in online content.
- Attained 89.3% accuracy by employing advanced ML models, text preprocessing, and TF-IDF for automated news classification.
- Contributed to maintaining a healthy and efficient system by developing a streamlined approach for automated news credibility detection, utilizing machine learning algorithms to accurately identify and mitigate the harmful effects of spam.

Project 2: EV Market Segmentation
- Performed geographic segmentation, pinpointing Maharashtra as a lucrative EV market, prompting targeted marketing strategies in-state
- Analyzed demographics, highlighting 30s and 40s as prime EV consumers, driving marketing and product strategies
- Utilized correlation analysis to identify influential attributes on buying preferences, informing tailored marketing strategies and product offerings to align with customer preferences.

PROJECTS

Uber Data Analysis Feb 2022 – Mar 2022
SNJB's College of Engineering
- Analyzed the dataset of Uber rides that occurred in the month of July 2014 in New York City, USA, using information about the datetime, latitude, longitude, and base of each uber ride to create the Choropleth map.
- Extracted the trips of each day from dataset using Data Visualization- Seaborn and Matplotlib.
- Implemented spatial analysis using Heat-Map to get a clear cut of rush.

E-Commerce Analytics Nov 2021 – Dec 2021
SNJB's College of Engineering
- Created an unsupervised learning model that allows a company to analyze its customers using the RFM (Recency, Frequency, and Monetary Value) approach.
- RFM allows the e-commerce business to optimize its retention and acquisition strategies by assigning loyalty level to each customer using pandas Q-Cut method.
- Obtained a boxplot of each customer's monetary values using feature scaling.

Text Analysis Aug 2021 – Oct 2021
SNJB's College of Engineering
- Lead a team of 4 to develop a text classification task, classifying the sentiment of each sentence into 'Positive' or 'Negative', using Python and Machine Learning technique - Naive Bayes Model.
- Acquired 99% accuracy in sentiment classification using Sklearn's confusion matrix and accuracy score model.
- Demonstrated the final result using Data Visualization.

TECHNICAL SKILLS

Programming Languages: Python, SQL, Java, HTML, XML, JavaScript, CSS, Bootstrap.
Machine Learning: Decision Tree, Random Forest, SVM, Clustering Techniques, Linear Regression
Libraries and Frameworks: Pandas, Numpy, Matplotlib, Seaborn, Scikit
Visualization Tools: Power BI, Microsoft Excel
Statistics: Descriptive Statistics, Anova, t-Distribution, Chi-Square, Z-Table, Hypothesis Testing
Computer fundamentals: Data structures, DBMS, Object-oriented programming, Linux.

CERTIFICATIONS

Data Science & AI - IBM Jan 2022 – Nov 2022 | Online
- IBM Certified Data Science Course with courses such as Machine Learning with Python, Data Science Methodology, Data Science Tools, and Python for Data Science.