Meenakshi Ravikumar

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EDUCATION

Data Science Bootcamp, Jovian   Aug 2021 - Present
Courses: Python Programming, Statistics, Data Analysis & Visualization, Machine Learning, SQL & Analytics
Highlights: 600+ hours of coursework, 10 coding assignments, 3 projects (Web scraping, EDA, ML)

GKM Institute of Technology, Chennai, India   2017 – 2019
- ***Master's Degree in Engineering, Communication systems (GPA: 8.05/10)***
Highlights: Built AUTOMATIC BOOK READER FOR VISUALLY CHALLENGED PEOPLE using Raspberry PI and Open-Source OCR. Published a paper on the above in the 2nd International Conference on Recent Trends in Science and Technology

- ***Bachelor's Degree in Engineering, Electronics and Communication (GPA: 7.23/10)***   2012– 2016
Highlights: Built STAFF SCHEDULER USING C# AND ARDUINO INTERFACING WITH DOT MATRIX DISPLAY as my Final Year Project - The STAFF SCHEDULER has versatile applications in educational institutions and industries for monitoring the faculty and employees according to their scheduled tasks. Published a Paper on my Staff scheduler project in the IJIRCCE (International Journal of Innovative Research in Computer and Communication Engineering)

SKILLS & CERTIFICATIONS

Online Courses: Python, SQL, Statistics, Machine Learning, Web Scraping
Skills: Python, SQL, Exploratory Data Analysis, Data Visualization, Numpy, Pandas, Excel, Tableau, Webscraping

PROJECTS

Exploratory Data Analysis and Visualization of Global Commodity Trade Data ([View](#))
- Worked with Global commodity Trade dataset from Kaggle containing 8.2 million rows and 10 columns of data.
- Identified the missing values through NumPy and Pandas, cleaned the dataset for further analysis.
- Analyzed and explored the numerical statistics of data.
- Asked questions and picturized the relationship between columns using Visualization techniques.

Scraping Book information using Python ([View](#))
- Used Books to Scrape site containing 1000 books from different genres to scrape.
- Scraped few information such as Book titles, Cost, Stock Availability and links to each book using BeautifulSoup and some helper functions.
- Stored the scraped information in Pandas dataframe and converted into CSV file.

E-commerce Product Classification using Machine Learning ([View](#))
- Worked with Otto Group Product Classification dataset from Kaggle containing 93 features for more than 200,000 products.
- Performed EDA, feature Engineering and created training – validation split.
- Prepared data for modelling, trained and evaluated different ML models, tuned hyperparameters and reduce overfitting to improve the model.
- Obtained an accuracy of 98% on test dataset, after experimenting with 20 sets of hyperparameters.