Melvin Alex Mathew Andoor

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Education

M.S. Computer Science, University of Massachusetts Dartmouth   *May 2021*
B.E. Computer Engineering, University of Mumbai   *June 2019*

Technical Skills

Languages: Python, Java, SQL, C, HTML, CSS, JavaScript   **Libraries:** scikit-learn, Pandas, Seaborn, NumPy,
Tools: Git, Heroku, Unity, Android   Matplotlib, Folium, SciPy, D3Js, ReactJs
Frameworks: Agile | **Databases:** MySql, MongoDB   **IDE**: Visual Studio Code, Jupyter Notebook, Eclipse

Projects

Portfolio Website | *ReactJs + HTML + CSS* | PROJECT   CODE
- Designed a professional portfolio website to highlight achievements.
- Incorporated Calendly for the visitors to schedule meetings.
- Used Git for version control and the website is hosted using Heroku.
- Integrated the XSS input sanitization using DOMPurify to prevent against cross-site scripting attacks.

CIS 568: Data Visualization | Python *+ Excel + HTML + CSS + D3Js + Git* | PROJECT   CODE

IMDB Movie Ratings and Effect of Covid 19 on Export Import Trade between Countries
- Analyzed the IMDB Movie Ratings dataset from 1916 to 2016 to determine the Correlations and Dependencies present.
- Found that the correlation between a Movie being the highest grossing and the number of users and critics that voted for the movie was 0.83 strong correlation. With the help of D3js these findings where visually presented.
- Collaborated with 3 other colleagues to find the affects of Covid 19 on Trading between nations and identified that at the initial few period of the pandemic, trade deficit of all nations was down by almost 700 billion dollars.
- Designed a World Network Graph to present the trade relations between nations as a team member.

Weather Application | ReactJs *+ HTML + CSS + API* | CODE
- Developed a Realtime Weather Application System. The application shows the weather stats of the cities in US.
- Made use of the openweathermap API to accurately present the weather of the cities that the user enters.

CIS 552: Database Design | Java *+ SQL + Git + Netbeans* | CODE
- Worked with 4 peers to develop a SQL Query Evaluator system using the Jsqlparser library.
- Developed the Union and Aggregation operations as a member of the team using the Hash Table Data Structure.
- Tested the system by giving as input simple to very complex SQL queries and found the accuracy to be 94.7%.

Experience

Frontend Developer Intern | Don Bosco Institute of Technology   *July - Oct 2017*
- Developed a visually appealing Front End of the Don Bosco Journal of Science and Engineering along with a team of UI/UX designers.
- Designed the Home, About and Admin pages using HTML, CSS, Bootstrap and JavaScript.
- Assessed the UI designs for technical feasibility.

Achievements

KPMG Data Analytics Consulting Virtual Internship | Forage | PROJECT   CODE   *August 2020*
- Evaluated the quality of the given datasets using Microsoft Excel and then performed data cleaning and processing using Python.
- Grabbed insights from the data and found the High Value Customers of the client using RFM Analysis.
- Used Tableau to visually present the insights found.

Certifications

Python Essential Training – LinkedIn Training

HTML, CSS – Cambridge Certification Authority
Android Application Development – Monkfox