

Melvin Alex Mathew Andoor

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Education

- **University of Massachusetts Dartmouth:** **Dartmouth, Massachusetts**
Master of Science in Computer Science | **GPA: 3.6**
Expected July 2021
- **University of Mumbai** **Mumbai, India**
Bachelor of Engineering in Computer Engineering | **GPA: 3.2**
Class of 2019

Work Experience

- **Don Bosco Institute of Technology** **Mumbai, India**
Frontend Developer Intern July 2017 - October 2017
 - Developed and implemented along with a team of UI/UX designers a visually appealing Front End of the Don Bosco Journal of Science and Engineering using Bootstrap, HTML, CSS and JavaScript.
 - Assessed UI and UX designs for technical feasibility.

Academic Experience

- **CIS 568: Data Visualization** **December 2020**
IMBD Movie Ratings (1916-2016) | Export Import Trade Between Nations worldwide
 - Deployed 2 Interactive Full Stack Data Visualization projects.
 - Analyzed the IMDB Movie ratings dataset from 1916 to 2016 for correlations and dependencies.
 - Designed visualizations of the results found from the analysis using d3js library, HTML, CSS, JavaScript.
 - Collaborated with 3 colleagues to design the visualizations that explained how COVID-19 has affected the Export Import trade between nations.
- **Weather Application using React.js** **June 2020**
 - Deployed a Full stack Weather Application System using the React library from JavaScript.
 - Used the openweathermap API to find the weather of the Entered City of a Country.
 - Designed the frontend of the system using Bootstrap, HTML, CSS.
- **CIS 552: Database Design** **April 2020**
SQL Query Evaluator Software
 - Collaborated with 4 peers to develop a SQL query Evaluator using Jsqlparser library.
 - Developed SQL operations like Selection, Projection, Joining, Union, Aggregation, Selection and Projection Pushdown and Cross Join with Java and GitHub was used for maintaining the versions of the project amongst the team.
 - Tested the performance of the project with SQL queries with varying complexity.
- **CPC 602: Software Engineering** **March 2018**
Plagiarism Detection System
 - Collaborated with 2 other peers to develop the Plagiarism detection system using PHP and JavaScript.
 - Designed the system with a student's and Teacher's portal.
 - Programmed a plagiarism detection algorithm using TfidfVectorizer and cosine_similarity modules from the sklearn library of Python.
- **CPC 503: SOOAD** **November 2017**
Bug Tracking System
 - Implemented a Bug tracking system using Java to store, collect and maintain records of the bugs reported.
 - Designed the system such that the users can see their bugs reported and they can submit new records to the system.

Achievements

- **KPMG Data Analytics Consulting Virtual Internship (Forage)** **August 2020**
 - Assessed the quality of the datasets given using Microsoft Excel.
 - Grabbed Insights from the dataset and found the High Value Customers of the Client from the Client Dataset given using RFM Analysis.
 - Presented the visual insights found from the dataset using Tableau.
 - Modules Completed: Data Quality Assessment, Data Insights and Presentation

Skills & Certifications

- **Programming Languages:** (Proficient): Python, Java, C, C++ . (Familiar): R(Ruby), PHP
- **Programming Libraries:** Pandas, NumPy, SciPy, Matplotlib, Seaborn, sklearn, Folium, d3js
- **Web Design:** HTML, CSS, JavaScript, Bootstrap
- **Frameworks:** MySQL, MATLAB, Android, VR, Agile Methodology, Scrum
- **Version Controls:** Git and GitHub, Gitlab
- **Development Tools:** Unity, Eclipse, NetBeans, Visual Studio, Sublime Text, PyCharm
- **Certifications:** Python Essential Training- LinkedIn Training, Gesture Robotics IIT Bombay, HTML, CSS- Cambridge Certification Authority, Android Application Development Certificate from Monkfox, Ethical Hacking & Mobile Hacking Certificate from CyberX Securities