VYSHNAVI MATTAPALLI

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EDUCATION:

- **University of Massachusetts Dartmouth** **Jan'21-May'22**
  Master of Science in Data Science (STEM Designated**)** **GPA:3.56/4.0**
  Courses: Data visualization, Algorithm and structures, Mathematical Statistics, High Performance Computing, Statistical Analysis, business Intelligence.
- **UNIVERSITY COLLEGE OF ENGINEERING ANDTECHNOLOGY** **July'16-Sep'20**
  Bachelor's in information technology **CGPA:3.5/4.0**
  Courses: RDBMS-SQL/PLSQL, Data Warehousing, Data Mining, Data structures, Mathematical Statistics, Software Engineering.

SKILLS:

- **Expertise in** Data Science Concepts, Visualizations, Data base management System,
- **Programming Languages:** Python, R., C++, Java ,C, MATLAB, HTML, CSS, , Java (Core Java, Node Js, D3.js)
- **Database:** Oracle DB, Ms SQL Server, MySQL, Access and PLSQL
- **Data Visualization Tools** : Tableau and D3.js of Java libraries
- **Cloud services and tools**: AWS, Microsoft Azure, DevOps Configurations
- **Technologies and Frame works:** R Studio, Visual studio, web storm, Xampp.
- **Trained in** Quantitative Methods, Data Warehousing, Advanced Data Mining Business Intelligence (BI) Concepts, DevOps, Data Structures, Regression Analysis, Data Visualization, Data Technologies, Data Science Research Methods, Research Data Management Statistical Computing Methods, Experimental Design & Analysis,
- **Office Tools:** Ms Office, Ms Excel, Ms Word, Ms PowerPoint**.**
- **Soft Skills:** Design Analysis, Resource Allocation, Big Picture Thinking and Data Quality, Strategic Planning.

PROJECTS:

Visualizationof Changes in US air quality during corona virus Pandemic: **Aug'21-Nov'21**
Technologies: Tableau, Python, D3.Js, Visual Studio, SQL and AQI - APIs

- Implemented the choropleth maps that represents monthly air Quality at given dates with sequential colors.
- Visualized state lines without CBSA regions using Python, java (D3.js)
- Revamped the average AQI levels for each CBSA region, designed EPA color scheme with descriptive legends.
- Emphasized the year over year comparisons rather than timeline comparisons fromJan'19-Dec'20

Heart disease data: **Feb'21-April'21,**
Technologies: R. Studio, Excel and Python

- Detected the heart diseases, stroke by race and ethnicity using Cleveland database.
- Projected using Machine learning tools, data statistics, deep learning and cardiac function analysis.

Global terrorism data: **Jan'21-Feb'21**
Technologies: R. Studio, Sql and Python

- Identified and drill downed the geographical and temporal patterns of the terrorism from ('1975- '2015).
- Pioneered Algorithmssuch ask-means and k nearest to detect the pattern recognition.
- Structured a data base that detects the number of attacks occurred and categorizedattacks as major, minor attacks by using Python.

Smart Attendance management system using facial recognition: **Aug'19-May'20**
Technologies: JAVA, Net beans, node js and SQL Server

- Streamlined a database that detects, storesthe images and trains the recognizer.
- Predicted a person's attendance based on sensor data, such as facial expressions.
- Executed the deep learning models which includes the regression, SVM, decision tree, Random Forest.

OTHER WORK EXPERIENCE:

University of Massachusetts, Dartmouth | Conference Event Coordinator Sep'21-Dec'21

1. Hosted hundreds of small to large scale events and conferences at university.
2. Organized events assembled large seating arrangements and best owed services with customers need.

Electronics Corporation of India Limited |Software Engineer Intern May'19-Jan'20
Aadhar Based Electronic Voting System |ECIL
Technologies: JAVA and SQL Server

1. Included and verified Fingerprints by a desktop application using R305 fingerprint module.
2. Created different modules such as admin, user, officer and developed election application using JSP, SQL, Java, and HTML.
3. Analyzed big analytical data such as casting percentage and holding the poll result.