Nikitha Vedant Madabhushi

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EDUCATION
- **Northwest Missouri State University,** MS in Applied Computer Science
- **Mahatma Gandhi Institute Of Technology, Hyderabad,** Bachelor of Technology in Electrical and Electronics Engineering

TECHNICAL SKILLS
- Java, Angular Js, C++, C, Python, JavaScript, React Js, node js, D3.js, Typescript.
- Bootstrap, Pandas, Numpy, Jupyter, Machine Learning, Git, Postman, MongoDb, Mysql,
- AWS - EC2,S3,Elastic Beanstalk, Red shift, Elastic cache, Elastic file system, Elastic block storage,etc.

CERTIFICATIONS
- DevOps with AWS (LinkedIn)

VOLUNTEERING
- **Sports Coordinato**r(Indian Student Association)- from Dec 2022- Dec 2023

INTERNSHIPS

VERZEO EDUTECH, Machine Learning with Python   Sept, 20 - Mar, 21
- Designed and implemented a methodology to compare accuracy of various classification models (Logistic Regression, Random Forest, KNN, Decision Tree, NLP etc) for predicting gender of a person.
- Developed a python based solution to analyze and find data insights (yearly average budget, common genre, number of movies per year).

TECHKRITI IIT KANPUR, Hybrid Electric Vehicle   May 21- Nov 21
- Created a model on e-vehicles using CATIA CAD software and ANSYS software (Finite Element Analysis) for analyzing the vehicle design and validating the model performance based on aerodynamics.

VENQUEST GROUP, EATLOCAL Platform(foodsupply.ai)   Jan 22- Jan 23
- I played a key role in the foodsupply.ai project, testing both admin and user interfaces.
- In the admin section, I ensured smooth operations of inventory management, order processing, and detailed reporting, pinpointing any resource wastage.
- Utilizing Jira Agile, I logged and resolved issues, conducted retests, and proposed new features.
- For users, I ensured invoice details were available for order tracking.

ACADEMIC PROJECTS
NBA Dataset 2003-2022 (Tableau Prep, Tableau for Visualization)

- Explored player performance metrics (PTS, APT, TRB) and team-centric stats (W/L%, SRS, PS/G) through scatter plots, bar graphs, and lollipop charts.
- Developed prediction models for MVP awards and positional analyses to gain insights into player contributions and team dynamics.
- Analyzed the correlation between player performance and team success to understand the interplay between individual skills and overall team achievements.

Bearcat Canteen
- Created a IOS based mobile application for different stations like Starbucks, Chick-Fil-A, Mooyah through which you can place an order for the food items that you like and even add or remove no of items in the cart and pay the total amount in the end.
- Used SWIFT Code for building the application.

Dogs Management System

- Developed a web-based application that enables users to create, view, edit, and search for dog details.Additionally, the application allows users to create trainers and assign them to specific dogs.
- The application was built using Java and Eclipse and used Spring Boot Framework.

Git Analyzer

- Created a replica of GitHub, generating user-related repository information and analyzed the data using D3.js to generate radial structures and bar graphs.
- Developed the application using Pug, Nodejs, JavaScript, CSS, Bootstrap, and GitHub API tokens.

Video Tutorial

- Developed a web-based application carrying out the CRUD operations like create, update, read and delete videos.
- Added two screens one for users and one for admin, where users will be able to view the videos only while for admin we have added an option to add, update, delete videos.
- Developed the application using Reactjs , Nodejs, Mongodb and Expressjs.

SuperMarket Sales

- Designed a Machine Learning model to predict the Profit Margin per Item using Gross Income and Quantity.
- Utilizing various plots and regression, classification, and clustering algorithms, I analyze and visualize features like gross income and quantity to predict the profit margin per item.
- Performance metrics such as accuracy, f1 score, precision, and mean squared error guide the selection of the most effective algorithm for accurate prediction.

COURSE WORK
- **Graduate level:** OOPS, Web Applications, Database Management Systems, Patterns and Frameworks, Mobile Computing IOS, Advanced Database Systems, Machine Learning, Data Visualization
- **Undergraduate level:** Python, C-Programming, Artificial Intelligence, Internet of things, Cyber Security.

RESEARCH
- Worked on an Intermediate-Level introduction to web mining.
- Benefits Management in University-Industry collaboration programs.

WORKSHOPS
- Attended the IOT based application in engineering of Tech Vriddhi-2020 in association with E-cell, IIT Kharagpur organized by Techno species global solutions at MGIT.
- Attended a workshop on improving communication and social skills conducted by MGIT.