MAJJIGA JASWANTH

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EDUCATION

2020-present : **B.Tech Computer and Science Engineering**, VIT AP, India   **CGPA : 8.68/10**
2018-20 : **State Board of Intermediate Education , Narayana Jr. College**, Telangana, India   **CGPA: 9.16/10**
2017-18 : **Board of Secondary Education, Narayana School**, Andhra Pradesh, India   **CGPA : 9.7/10**

SKILLS

Technologies   Java,R,Python(numpy),SQL,POWERBI,SPSS,Microsoft Azure,MS-OFFICE,Excel

PROJECTS

Web-Based Bank Management System (Tech Stack: HTML, CSS, PHP, JavaScript, SQL)
- Developed a robust web-based application for bank transaction management.
- Implemented stringent security measures to safeguard high-value transactions.
- Devised a comprehensive permissions system for administrators and customers.

Uber Data Analysis (Tech Stack: Python, Numpy)
- Analyzed historical Uber trip data to optimize routes and enhance efficiency.
- Developed a predictive model for fuel consumption using machine learning techniques.

Sentiment Analysis using Zomato Reviews Dataset (Tech Stack: Python, Natural Language Processing)
- Performed data cleaning and transformation for analysis.
- Conducted sentiment analysis on Zomato reviews, categorizing sentiments based on ratings.

Cloud Based Chat Application (Tech Stack: Microsoft Azure, SignalR)
- Utilized Microsoft Azure API Services to construct a cloud-based messaging platform.
- Incorporated SignalR and C# programming language to enable seamless real-time communication among users.
- Successfully deployed the application on 000WEBHOST, ensuring enhanced security and authenticity measures.

Theft Detection System (Tech Stack: Machine learning, Flask, YOLOv8,Colab)
- Classified and preprocessed 13,382 images using Roboflow, including flipping, rotating, and resizing.
- Trained YOLOv8 on Google Colab Pro for 150 epochs, achieving a precision-recall curve of 0.935 at mAP @ 0.5.
- Integrated with Flask for real-time detection, allowing users to upload photos and videos.

Fetal Health Monitoring System (Tech Stack: Arduino, Raspberry Pi, HTML, CSS, JavaScript)
Team Lead

- Developed a comprehensive Arduino and Raspberry Pi project to monitor fetal movements within a simulated womb environment, leveraging the capabilities of both platforms to collect accurate data.
- Designed and implemented an interactive interface using HTML, CSS, and JavaScript, enabling users to visualize real-time fetal movements with ease.
- Driven by a deep passion for leveraging technology to enhance the safety and well-being of pregnant women and their babies, with a specific focus on early detection of potential health issues in fetuses.

CERTIFICATIONS

Udemy Java Certification
- Java 17 Masterclass: Start Coding in 2024 under Tim Buchalka with 122 hours of learning
- Gained in-depth knowledge of Java SE 17 features, including enhanced switch expressions, pattern matching, and sealed classes

Google Cloud Computing Fundamentals
- Certification approved by GCCP Program Colab With Vellore Institute Of Technology with a GCP Badge
- Developed hands-on experience in deploying, managing, and scaling applications using Google Cloud Platform services

INTERESTS

- Outdoor games like Cricket,Basketball.
- Listening to story podcasts.
- **Languages** English,Hindi,Telugu.

ACHIEVEMENTS

- Awarded by the Judge of Hyderabad for promoting awareness about traffic regulations near Cyber Towers.

EXTRACURRICULAR ACTIVITIES

- As a dedicated volunteer, orchestrated and spearheaded impactful online blood donation campaigns with the aim of bolstering India's blood supply.