K Mallikarjuna Reddy

IOT ENGINNER,DATA SCIENCE,

FULL STACK DEVELOPER

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Currently engaged in local projects aimed at fostering a developer-friendly environment among local business professionals, with expertise in server administration, database development, Internet of Things (IoT), data analysis, and cloud-based solutions.Visit ideas at github.com/malli13193.

KEY SKILLS

Cloud Administration	**Azure:**Roles, Resource Groups, VM, Storage Pool & various tiers, Managed Instance. **AWS:** EC2 instance, RDS, storage management
IOT Engineer	Worked on IOT based projects for real time problems,Sensor based,Arduino interface and Raspberry.
AIML	Worked on different datasets ,Data Analysis and Worked on different Generative AI models
DB Development & Performance Optimization	Converting business logic into database procedures with coding Standard as per best practices, Optimization & Performance tuning.
Troubleshooting	Memory Utilization, Scalability planning
Team Engagement	Leadership Quality, Team Building, Weekly reviews, Resource Planning, Effort estimation, Grooming & Self-learning

TOOLS & TECHNOLOGIES

- Database Technologies - SQL Server , MySQL 8.0.
- Big Data Technologies – MongoDB, Hadoop.
- Cloud services - AWS, Azure
- Programming skills – PYTHON,JAVA,C
- Data Analytic tools - R studios
- Google co-labs

PROJECTS:

Project: **Developing a project to store text entries in MySQL from a website serving as a personal diary for users.**
- The main objective of this project was to provide secure and availability of a book in mobile without pen.
- Security to the user memories.
- Encryption of user personal details,like passwords.
- Analyzing Business terms and processing users data.
- Project prototype:make note and make a memory

Project: **To analyse the image and converts it into text .**
- If a image have any characters it can be found and converted to text.
- What makes this project differ?-As it is build with python libraries we get immediate response.
- Repository link:Converts image to text

Project: **A free launcher company where students are job holders,interns and also a teachers.**
- Started a IT based company but due to heavy competition and lack of financial support converted to an student interns company.
- What makes you differ from other companies?No recruitment for jobs as the hard interns are the job holders to next project.
- Website link:KMS-interns an IT company
- As it is student developed project, The projects are at low cost,So the small businesses can go with it.

Project: **Basic level chat bot with out Machine learning models**.
- We know for every created page we need a guidelines,This make it possible a chat bot.
- The chat bot is build only for required questions.
- Responsible for providing 24 X 7 critical production support to all.
- Why it is needed?-We know every project or application have some predefined questions which are frequently asked by users,Those answers can be found here.
- Repository link:Make a view and contribute your idea to develop algorithms for automatic responses.
- Need some contributors to develop a full time chat bot that gives effective responses.

Project: **Smart attendance**
- As every room is equipped with the smart cameras we make that cameras into smart identification sensor so that it can calculate no of persons in the room.
- We was struggling to identify face id using face recognition techniques and make this project fully evaluated.
- Since we had implemented this project using python libraries we can easily calculate the attendance.
- Running fine now and need an interface to show the output on application.
- Contribute now:lick and contribute
- The project future work for face recognition (human face detection)has been developed but need interface and data set of face id's.

Project: **Product-Recommendation-System-for-e-commerce**
- A well developed recommendation system will help businesses improve their shopper's experience on website and result in better customer acquisition and retention. The recommendation system, I have designed below is based on the journey of a new customer from the time he/she lands on the business's website for the first time to when he/she makes repeat purchases.
- For contribution visit https://github.com/malli13193/Product-Recommendation-System-for-e-commerce
- We deployed the project at kaggle visit at https://www.kaggle.com/code/mallikarjunareddyk/product-recommendation-system-for-e-commerce

Project: **An IOT based project where vehicles can get notified when there is a vehicle surrounded(smart horn)**
- We know during rain the vehicle should close the doors and glasses here we fix an indicator so that when a vehicle used to passes you we get notify.
- Used sensors and indicatorsto notify the user.
- Future idea of the project to have AI so that it take automatic decisions based on situation.
- We always think about the cost of the prototype its very cheap to install in vehicles.
- For doc and code visit the git repository indicator for safe journey

Project: **realestate-house-price-predictor**
- A Machine Learning model where we can predict the house values of a place from previous data of that location.
- For problem statement and execution visit kaggle at https://www.kaggle.com/code/mallikarjunareddyk/exercise-model-validation
- By this we can calculate the price of a house based on room counts,location,etc

ACADEMICS & CERTIFICATIONS

Specialization in Internet of Things	MBU, India	2021 - 2025
Bachelor in Computer science	MBU, Andhra Pradesh	2021 - 2025
Certification in Java	Udemy Academy	2022-2023