REVANTH RAJ RACHUMALLU

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EDUCATION

B.Tech - Kalasalingam Academy of Research and Education
Computer Science and Engineering with specialization in AI and ML, CGPA - 9.13/10 (till 6th sem)   *2020 - 2024*

Intermediate - Narayana junior college
MPC , CGPA - 9.7/10   *2018 - 2020*

Secondary Education(SSC) - Sri chaitanya techno school
GPA - 10/10   *2017 - 2018*

SKILLS SUMMARY

- **Languages**:   Python , SQL, Java(Basic)
- **Concepts**:   OOP's, Data structures and algorithms, Artificial Intelligence, Machine Learning, Operating Systems
- **Libraries**:   Pandas, NumPy, NLTK, TensorFlow, Keras, tkinter
- **Tools**:   MySQL, Power BI
- **Soft Skills**:   Time Management, Problem Solving, Communication Skills, Flexibility, Ability to work independently

EXPERIENCE

Engineering Trainee intern   Remote
Price Waterhouse Coopers(PWC)   *Mar 2023 - Present*
   - **Skills:**: IT fundamentals, RDBMS, programming fundamentals (Python), Data engineering

Research and development intern   Remote
Multicoreware Inc.   *Sep 2022 - Present*
   - **Skills:**: Sensor Fusion, Python Programming, Computer Vision, Artificial intelligence and Machine Learning.
   - **Impact**: Developed and implemented innovative solutions for autonomous vehicle through sensor fusion, resulting in improved performance and efficiency.

PROJECTS

- **Harvest-Helper**: A farmer friendly website created to help them with crop,fertilizer recommendation and crop disease identification .Tech: Python, HTML, CSS, Flask, Weather API, Machine Learning and Deep Learning (March '23)

- **Uber Fare prediction**: Developed a prediction based model to predict the uber cab fares for different vehicle's based on distances .Tech: Java Swing, Machine Learning (December '22)

- **3D object detection (Camera, Radar)**: (work in progress) 3D object detection for autonomous vehicles integrates camera and radar systems to accurately detect and locate objects in the vehicle's surroundings enables safe navigation and decision-making in AV. Tech: Python, Sensor fusion, Opencv, RTCnet, CNN, Machine learning and deep learning.(Sep '22)

- **Text extraction from multimedia.**: Built a GUI based application to extract text from images,audio,videos and generate QR code's .Tech: Python, Tkinter, Pytesseract, Wave, Moviepy, Speech recognition, Pyttsx3, Pyqrcode,PIL (April '22)

- **Drowsiness detection of driver and alert system**: Developed a drowsiness detection system to alert the driver when he feel drowsy and driver location is tracked .Tech: OpenCv, dlib, geocoder, winsound, smtplib, ssl (November '21)

- **Talking Dictionary**: Built a GUI based dictionary application which provide audio and text meanings for the entered word. Tech: Python, tkinter, json, difflib, pyttsx3 (May '21)

PUBLICATIONS

- **Research Paper: An Automated Cost Prediction in Uber/Call Taxi Using Machine Learning Algorithm** : Tech: Java, Machine Learning (July '22)

HONORS AND AWARDS

- Runner at intercollegiate Technical paper presentation KARE
- Achieved 5 star badge in python and sql from Hacker Rank
- Achieved IT Fundamentals, RDBMS and programming Fundamentals (Python) badges from PWC

CERTIFICATIONS

- Python(Basic) (Hacker Rank)
- Oracle Database 12c: SQL Fundamentals (Geeks for Geeks)
- Getting Started with AWS Machine Learning (AWS)
- Data Structures and Algorithms- Python (Udemy)
- Python Programming (Code Tantra)
- AIML Fundamentals (YBI Foundation)