DHANESH RAJU

MACHINE LEARNING DEVELOPER
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OBJECTIVE

- **To become an enthusiastic Artificial Intelligence researcher seeking to deliver the state of art solutions applying AI to societal issues.**
- **I am experienced in using algorithms and data analytics for projects during my tenure at college.**
- **Relevant skills include Machine learning, Deep Learning, Data Science, and NLP.**
- **Aiming to emerge as a researcher to build and manage AI-related projects.**

SKILLS

Programming Skills
- **C**
- **C++**
- **SQL**
- **Python**

Technical Skills
- **Natural Language Processing**
- **Neural Network**
- **Computer Vision**
- **System design**
- **TensorFlow**
- **Django**
- **Web Scraping**

STRENGTH

- **Critical thinking**
- **Multitasking**
- **Interpersonal skills**
- **Communication Skills**
- **Problem solving skills**
- **Teamwork**
- **Smart worker**

AREA OF INTEREST

- **Artificial Intelligence**
- **Quantum Computing**
- **Python Programming**
- **Space-Studies**

RESEARCH AREA

- **Quantum Computation and Machine Learning in Artificial Intelligence**
- **Hybrid Brain-Inspired Computing Architecture towards Artificial General Intelligence**
- **Achieving trust in Artificial General Intelligence**
- **AI Safety Landscape in short-term specific system engineering to long-term artificial general intelligence**

PROJECT

- **Robot sensing obstacles using Arduino:**
  An Obstacle avoiding robot is an autonomous mobile robot that avoids collision with unexpected obstacles. It is an Arduino-based robot that uses Ultrasonic range finder sensors to detect the impediments ahead and avoid collisions
- **Electric Bicycle Using IoT:**
  The evolved electric bicycles with advancements in assessing the durability of the parts like the tire, bearing, air pressure, battery life, and motor condition were transformed using IoT. The electric bicycle could also be located by using a GPS module from anywhere
- **Enforcement in the Security of ATM PIN entry:**
  This project's main objective is to enforce the security of ATM pin entry to prevent shoulder surfing attacks. In this proposed method a fingerprint sensor and random word generation are used for moving ATM from one-factor authentication into multifactor authentication.

PROJECT USING AL/ML

- **Face Detector:**
  Face Discovery is a vision system that can descry mortal faces in an image. This system plays an abecedarian part in the success of mortal face groups. Besides, the practical operations bear to work in real-time on the low-cost bias.
- **Smile Detector:**
  Automatic smile recognition plays an integral part in several intelligent image-processing systems. This design presents an automated smile discovery system grounded on lip corners and coordinated identification. The Best Part of the system used in the AI system.
- **Car's and Pedestrian's Tracker:**
  Vehicle Discovery and counting play a major part in Intelligent Transportation Systems. This discovery process may face numerous challenges and different climatic conditions. An automated driving system must be suitable to descry the rambler in the girding of vehicles.
- **Virtual Voice Assistance:**
  Intelligent virtual assistance is a software agent that can perform tasks or services for an existent grounded on commands or questions.
- **Web Scrapper Called webGenics:**
  This application is used to scrape the data as an automated version to our needs and uses our own credentials to process.

EDUCATIONAL QUALIFICATION

B.E Electronics and Communication Engineering
KPR Institute of Engineering and Technology,
Coimbatore.
2018-2022   **CGPA:7.15**

HSC
Reliance Matric Higher Sec School, Erode.
2018   **Percentage: 58.33%**

SSLC
SSM Lakshmi Ammal Matric Higher Sec School, Erode.
2016   **Percentage:80.6%**

INDUSTRIAL EXPOSURE

Industrial Visit:
- **ITI, Bangalore**
- **Ace Components, Mysore**

Internship:
- **Data Science and Machine Learning Internship**
  Gilbert Research Center

Additional Courses:
- **Arduino Programming**
    KPR Institute of Engineering and Technology,
Coimbatore.
- **Antenna Designing and PCB Fabrication**
    KPR Institute of Engineering and Technology,
Coimbatore.
- **C Programming**
    Manfree Technologies, Coimbatore.
- **C++ Programming**
    Manfree Technologies, Coimbatore.
- **Python Programming**
    (SQL, Tkinter, Random, Turtle, NumPy, Pandas)
    Manfree Technologies, Coimbatore.

HOBBIES

- **listening to music**
- **Reading Books**
- **Spending time with nature**
- **Team or individual sports**
- **Cooking**

MEMBERSHIP

- **Rotaract Club member at KPRIET**
- **Space Club member at KPRIET**
- **Yoga Club member at KPRIET**
- **Robotics Club at KPRIET**

PUBLICATION

- **"Enforcement in Security of ATM Pin Entry",**
  3rd International Conference on Data Science,
  Machine Learning & Applications (ICDSMLA-
  2021).

EXTRA CURRICULAR ACTIVITIES

- **Workshop on Artificial intelligence**
- **Workshop on Ethical hacking**
- **Webinar on Deep learning-based android app**
  malware
- **Course on AWS fundamentals going cloud-**
  native
- **Course on Game development using Pygame**
- **Course on Data science math skills**
- **Course on Python 101 for data science**
- **Training in Artificial intelligence and Machine**
  learning
- **International FDP in Artificial intelligence and**
  Data Science

TO REACH ME

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