DHANESH RAJU

dhanesh8880@gmail.com| +44 7776311394,|Linkedin|,|Portfolio|,
Colchester, United Kingdom

Innovative AI Engineer with experience in designing and developing cutting-edge machine learning and deep learning solutions for leading technology companies. Experienced data scientist with a master's degree in Artificial Intelligence from University of Essex. Demonstrated expertise in development of sophisticated AI algorithms for complex software environments. Aims to Build the Artificial intelligence model by using the combination of Brain Computer Interface, Quantum Machine Learning, Neural Networks, Intelligence Systems, Robotics and Natural Language Processing.

EDUCATION

University of Essex | Colchester, United Kingdom **Oct 2023 - Present**
Master of Science in Artificial Intelligence
Relevant Courses: Machine Learning, intelligence system and robotics, Text analysis, Data science and decision making, Neural Networks and Deep Learning, Natural Language Processing.

KPR Institute of Engineering and Technology | Coimbatore, India **May 2022**
Bachelor of Engineering in Electronics and Communication Engineering
CGPA: 7.3/10
Relevant Courses: Artificial Intelligence, Internet of Things, Machine Learning.

CERTIFICATION AND SPECIALIZATION

- C, C++, Python (ManFree Technology)
- Artificial Intelligence (Ongoing)

WORK EXPERIENCE – (INTERNSHIP)

Machine Learning Trainee | Nunnari Labs, Coimbatore, India. Jul 2023 – Present

- By this trainee position I can learn about the Neural networks, deep learning, and the quantum machine learning.
- Huge opportunity to build the model using the Neural Networks without using any Library, constructed only using python.
- Trying to build the Model in the combination of Neural Networks, Quantum Machine Learning with Brain Computer Interface.

Data Science and Machine Learning Intern | Gilbert Research Center, Coimbatore, India Dec 2022 - Jan 2023

- Handled missing data using Multivariate Imputed by Chained Reaction technique.
- Constructed the model using technique for EDA and Data processing.
- Identified, analyzed, and interpreted patterns in provided data sets.

SKILLS

Programming Languages: Python, SQL.
Speaking Language: English, Tamil-(Native), Dutch-(Learner).
Frameworks/Technologies: Python (NumPy, Pandas, Seaborn, XgBoost, Matplotlib).
Tools: TensorFlow, Tableau, MySQL, Microsoft Excel, MATLAB
Operating Systems: Microsoft Windows, Mac OS, Ubuntu
Knowledge Areas: Machine Learning, Neural Networks, Intelligence Systems and Robotics, Deep Learning, Data Science & Decision Making, Natural Language Processing, Brain Computer Interface, and Quantum Machine Learning.
Ability / Skills: Good communication skills, presentation skills, leadership skills, problem-solving ability, analytical and quantitative skills, code deployment, code testing skills, pattern-finding skills, feature extraction and logic building skills.

ACADEMIC PROJECTS

Enforcement in the Security of ATM PIN entry – Bachelors Jan 2022

- 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.
- It's my final year project, we worked as the team to build this project. I've played as the presenter of the project and code tester for this project.

Electric Bicycle Using IoT – Bachelors **Jan 2021**

- 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.
- This Project is built under a team of 8 people, I am the team leader, Planner, and problem solver.

Robot sensing obstacles using Arduino – Bachelors **May 2018**

- 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.
- It's the group project. Collaborate with my colleagues, I played main roll in this project. I lead the team as team leader and build the model.

Project Using AI/ML

Car & Pedestrian Tracker **Oct 2022**

- Vehicle Discovery and counting plays a major part in Intelligent Transportation Systems. This discovery process may face numerous challenges like different climatic conditions. Automated driving system which must be suitable to descry the rambler in the girding of vehicles.
- It's the individual project, constructed using the OpenCV & Haar cascade algorithm.
- It's under developer stage.

Smile Detector **Aug 2022**

- 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.
- It's the individual project, constructed using the OpenCV & Haar cascade algorithm.
- It's under developer stage.

Face Detector **Jun 2022**

- Face Discovery is a vision system that can descry the 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 low- cost bias. Several traditional styles have enforced it.
- It's the individual project, constructed using the OpenCV & Haar cascade algorithm.
- It's under the developer stage.