DHARANI KANNA K V

ELECTRONICS AND COMMUNICATION ENGINEERING
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PROGRAMMING LANGUAGES & TOOLS

- Python
- AWS (Saga Maker, S3, EC2)
- R Script
- C – PROGRAMMING
- MySQL
- HTML, CSS, Java Script

MODULES

- DJANGO
- FLASK
- NUMPY
- PANDAS
- SCIKIT_LEARN
- MATPLOTLIB
- SEABORN
- NLTK
- TENSORFLOW
- GIT

VISUALIZATION -TOOLS

- Excel
- Tableau

KEY SKILLS

- Machine Learning
- Deep Learning
- Data Engineering
- Feature Engineering
- Data Visualization
- Recommender System
- Data Pre-Processing
- Statistical Modeling

STRENGTH

- LEADERSHIP
- TEAM PLAYER
- ACTIVE LISTENER
- FLEXIBLE AND PATENCE
- QUICK LEARNER
- ATTRACTIVE SPEAKER
- ENERGITIC ATTITUDE

LANGUAGES

- TAMIL (தமிழ்)
- ENGLISH

EDUCATION

B.E | ELECTRONICS AND COMMUNICATION ENGINEERING | CGPA : 76%
TAMILNADU COLLEGE OF ENGINEERING, Coimbatore, Tamilnadu. (2017-2021)

HIGHER SECONDARY EDUCATION - State board | Mark in Percentage : 65%
SRK MATRIC HIGHER SECONDARY SCHOOL, Salem, Tamilnadu. (2016-2017)

SSC – CBSE | Mark in Percentage : 80%
SRI VIDYA MANDIR SENIOR SECONDARY SCHOOL, Salem, Tamilnadu. (2014- 2015)

PROJECTS

1. **WHATS APP AI-CHATBOT (AI PROJECT)**
   Developed a chatbot with following specifications Translator, sentiment analyzing, Virtual friend chatting system, Searching system.
   Technology used: Flask, Text blob library, Heroku, Twilio API, NLP, Machine learning.
2. **PROTHETIC ARM (Embedded system project)**
   Designed a Robotic arm which work based on the EMG rate of Muscle contraction and Voice Command.
   Technology used: EMG sensor, Arduino, Bluetooth, Servo motor, Embedded C Programming.
3. **SMART HELMET (Embedded system project)**
   Developed a Smart Helmet that only allow driver to start bike, when he is wear helmet without consume any liquor.
   Technology used: MQ2 sensor, Arduino, GSM, IR Sensor, Embedded C Programming.
4. **PARKING MANAGEMENT (Embedded system project)**
   Designed a architecture and a system of Parking Management system. It detect object using sensor & monitor vehicle parking system then update over IoT platform.
   Technology used: Arduino, NODE MCU, IR Sensor, Embedded C Programming.
5. **IoT MOBILE APPLICATION FOR HOME APPLIANCES CONTROL**
   Designed a mobile application that can efficiently control and monitor whole house, Office or Industry.
   Technology used: Arduino, NODE MCU, IR Sensor, Embedded C Programming, Flutter, Firebase.

APPROACHED & PARTICIPATED PROJECTS

1. **VISHWAKARMA AWARDS**
   - It is conducted by Central government on theme of increasing income of the rural people.
   - I approached to make By-products of "Banana" by smart way. (smart Farmer's market).
2. **SMART INDIA HACKATHON (2019)**
   - I have approached idea for a problem that "To identify the own sweating odor by mobile app. Before nearby person smell the odor".
3. **SMART INDIA HACKATHON (2020)**
   - I have approached idea for a task to design "E-Vehicle's Battery Health Monitoring System".

ABOUT MYSELF

- In Team project, I lead and motivate the team with positive energy.
- I have participated in many conferences, symposiums to execute my innovative ideas through Technical Presentation's and Project expo.
- I have attended Workshops to explore many interesting topics (Hand on training in hardware, IOT, Cyber Security, analyzing of signals using MATLAB).

DECLARATION

I hereby declare that all the information mentioned in my resume is true and correct to my knowledge and I take full responsibility for the accuracy of the particulars mentioned. I have attached All my detail with this resume for clarification

Signature
DHARANI KANNA K V