M Vaseekaran

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A logical ability person with a solid understanding of Python, Java. skilled in java, python, Prompt Engineering, interpersonal, collaboration, and communication abilities, time management. I am expertise in Machine Learning and deep learning algorithms and develop predictive model and optimize the models to get good accuracy and speed Searching for an entry-level position in IT business to begin my career.

EDUCATION

- **Bachelor of Technology (B. Tech)-CSE Spl In AIML   2021 - 2025**
  Kalasalingam Academy of Research and Education, Madurai (India)
  CGPA: **8.91** (Upto 5th semester)

- **Higher Secondary Education (PCMB) 2019 - 2021**
  S.Y.K PU College, Ramdurg, Karnataka (India)
  Percentage:87.5%

LANGUAGE

English [R-W-S] | Kannada [R-W-S] | Telugu[R-W-S] | Tamil [R-W-S] | Hindi [R-W]

SKILLS

- **Programming Languages**: Python, C, C++, R programming & SQL
- **Tools and Frameworks**: Jupyter, Visual Studio & Colab
- **Operating Systems**: Windows
- **Personal Skills**: Communication Skills, Time Management, Leadership, Team Management.

PROJECTS

- **Football Player Analytics Using Yolov5 And Bytetracker**

Football player analytics is a cutting-edge application of computer vision and object tracking technologies that leverages YOLOv5 and Byte Tracker to provide comprehensive insights into the performance and behavior of football (soccer) players during matches.

- **Lung Cancer Detection**

Detection lung cancer using random forest classifier algorithm , machine learning involves analyzing medical imaging data ,like CT scans ,to identify potential malignancies based on patterns and features.

- **Agro-Smart Integration**

Automatic crop recommendation system using sensor values from the soil like humidity, temperature, rain, moisture levels and recommending the suitable crop and developed a crop yield prediction website which gives the amount of harvest a farmer can get by specifying the land conditions, area, this website is user friendly and gives the amount of harvest in hectares.

- **Multilingual Aspect-Based Sentiment Analysis of Product Review**

The project involves multilingual support for languages like English, Spanish, and Chinese, data preprocessing, and model evaluation. A visualization dashboard will display analysis results. Tools used include Python, transformers, and Plotly. Deliverables include source code, documentation, and a demonstration. Key components include aspect extraction and sentiment classification using models like mbert and XLM-roberta.

- **Small Scale Wind Energy Device**

Developed a small scale vertical axis wind turbine using VWAT(Vertical Axis Wind Turbine) with hollow blades . Utilizing AIML in small-scale wind turbines for optimized performance, predictive maintenance , enhanced efficiency, and accurate power curve forecast and prediction.

KEY COURSES TAKEN

- **CSE** : Introduction to Python, Object Oriented Programming in Java, Data Structures and Algorithms, Operating System, Database Management System, Numerical Methods.
- **Minors in Robotics and Robotic Applications (Pursing)** : Introduction to Robotic and Robotic Applications, Wireless Sensors and Networks.
- **Placement preparation for Product companies**: Number Thoery, Greedy Algorithms, Linkedlist, Stacks And Queues, Two Pointers, Heaps, Binary Search, Dynamic Programming.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2023 Certified Data Science Professional Oracle University
- Data Structures in C – Great Learning
- Crash Course on Python (Google IT automation) – Coursera
- AWS Academy Cloud Foundations – AWS Academy Graduate
- The Fundaments of Digital Marketing – Google Digital Garage

POSITIONS OF RESPONSIBILITY

Social Media Lead, KARE ACM, Kalasalingam Academy of Research and Education   *April 2023 – May 2024*

ACHIEVEMENTS

- **1st place in Hackare ACM Hackathon**, Hackathon on Smart Farming.
- **2nd place in Software Freedom Festival,** Project Based on Small scale wind energy device.
- **3rd place in IBM Paper Presentation,** Paper on Tomato leaf disease detection using CNN.
- **SMART INDIA HACKATHON FINALIST 2023 (**Hardware edition**),** Top 5th team out of 315 teams across INDIA.
- **8th place in Coderush IBM Hackathon (**out of 215 teams**),**Project Based on Smart Fire Detection and Prevention.
- **Earned 6 Skill Badges in Google Cloud –** Google Cloud Skill Boost.

DECLARATION

I hereby certify that the above given data are true and correct to the best of my knowledge and belief.

Signature