

# ARAVINTH MEGANATHAN

## CONTACT

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## RESUME OBJECTIVE

To leverage my experience in manufacturing and owning a business to transition into the field of data science. Seeking a challenging role that allows me to apply my analytical and problem-solving skills to extract insights from data and contribute to the growth and success of the organization.

## TECHNICAL SKILLS

- **Programming Language:** Python (Jupyter Notebook)
- **Packages:** Pandas, Numpy
- **RDBMS:** MySQL, PostgreSQL
- **Data Visualization:** Matplotlib, Seaborn, power BI, plotly
- **ML Frameworks:** Scikit-learn, spacy, open CV, nltk
- **Machine Learning algorithms: (Supervised)** - Linear/Logistic Regression, SVM, Decision tree **(Unsupervised)** - K-means clustering, KNN.
- **Deep Learning:** NLP, BERT base, Tensorflow
- **Cloud computing:** IBM cloud.

## EDUCATION

### **B.E MECHANICAL**

ACE, Hosur  
2011 – 2015  
CGPA – 8.22

Top scorer in HSC and  
SSLC with more than 90%

## KEY SKILLS

Data Analysis  
Problem Solving  
Project Management  
Data visualization  
Predictive modeling  
Time Management  
Critical Thinking  
Leadership  
Cost control

## PROJECTS

### • **Celebrity recognition using Machine Learning: ([link](#))**

Implemented SVM, logistic regression and random forest models for celebrity recognition. Achieved 84 % accuracy with the best performing SVM model using raw and wavelet transformed image data. Results demonstrate the potential of machine learning for celebrity recognition.

### • **Crab Age Prediction using Machine Learning: ([link](#))**

Developed machine learning model to predict the age of crabs based on their physical characteristics. Feature engineering was performed to extract relevant information, and grid search CV was used to optimize hyperparameters. Five different algorithms were tested and the random forest algorithm achieved the best performance with an R-squared value of 0.59. Results demonstrates machine learning's potential for accurate age prediction.

## EXPERIENCE

**Proprietor - Ask Me Electronics & Feed Me Pets, Thiruvaiyaru**  
(Sep 2019 – oct – 2022)

- Managed to run the business successfully with a continual improvement

**Asst.Engineer -India Nippon Electricals Ltd, Hosur**  
(Jun 2018 – Feb 2019)

- Designing -Jigs, fixtures and tools
- Successfully developed a tool for spark plug casing production

**Production Engineer -Ashok Industries, Bangalore**  
(Dec 2015 – May 2018)

- Production Planning and control, Monitoring Resources, Handling Outsources, Quality Control

## OTHER INTERESTS

### **WRITING**

Very much interested  
in reading old Tamil  
novels.

Writing my own  
imaginary story based  
on my life lesson to  
inspire readers to  
embrace change.