

Name Dheera Shaji

PROFILE

Creative, motivated, and design-oriented student with versatile skills. Seeking for an opportunity to utilize my skillset for the growth of the organization and continuous learning process.

EDUCATION

- B.Tech Computer Science and Engineering**
CGPA – 8.98/10 **2019-2023**
Amrita Vishwa Vidyapeetham
- Class 12 – 85.4%** **2019**
Institution: AMRITA VIDYALAYAM
- Class 10 – 85.4%** **2017**
Institution: AMRITA VIDYALAYAM

TECHNICAL INTERESTS

PROJECTS

PREDICTING REMAINING USEFUL

LIFE IN Li-ion BATTERIES | May 2022

- Worked with NASA Prognostic Centre Battery dataset to predict the State of health of battery and to predict the remaining useful life inside them
- On the time series data, an LSTM RNN model is used to learn the long-term dependencies of the degradation data of capacities and predict RUL in them. Performed transfer learning to attain the best result.

ONLINE JOB RECRUITMENT SCAM DETECTION | DECEMBER 2020

- ML algorithms which are well known for its low computational complexity were used. Also, Chi-Square feature selection technique was used for dimensionality reduction.
- Gaussian Naive Bayes, when combined with bi-gram weighted TF-IDF, gives the highest accuracy of 97.61 with a considerably low execution time of 10.7 seconds.

YOUTUBE DATA ANALYSIS | MARCH - APRIL 2021

- Using the data generated using YouTube Data API, an analysis was performed on how data generated from YouTube can be mined and utilized to draw insights.
- Big Data tools such as Hadoop MapReduce, pig, hive, MongoDB and Cassandra were used.

TECHNICAL SKILLS

Python(Beginner)

MATLAB(Advanced)

MongoDB(Intermediate)

Cassandra(Intermediate)

PostgreSQL(Beginner)

Git(Intermediate)

Matlab(Intermediate)

R(Advanced)

Java(Beginner)

C(Intermediate)

C++(Advanced)

SQL(Intermediate)

Hive(Beginner)

Pig(Intermediate)

Hadoop MapReduce(Advanced)

HTML(Beginner)

CSS(Beginner)

AWS(Intermediate)

INTERNSHIP

MURATA MANUFACTURING CO., LTD | DATA SCIENCE INTERN

January 2022 - Present | Hyderabad, India

- Predict the remaining useful life inside lithium-ion batteries; Predict the State of health of vehicular batteries.
- Review data sets and create scripts to monitor new data sets, and ensure clarity in data received.
- Implement and run data algorithms, and derive specific inference from analysis of large volume of data.

NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT | MACHINE LEARNING INTERN

June 2021 - August 2021 | Kerala, India

- Analyzed anonymous patient data to identify areas and utilized them in determining influential autistic traits and improving the classification of Autistic Spectrum Disorder cases.
- A machine learning model was built to predict whether a patient with certain measured characteristics has autism or not. Model built was time efficient and had an accuracy of 96 percentage.

LANGUAGES

English

Hindi

Tamil