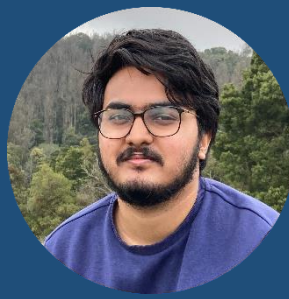


# Dharineesh Karthikeyan



## PERSONAL SUMMARY

A Data Science Student, who is interested in the areas of Data Science and Visualization, Statistical Analysis, Machine Learning and Artificial Intelligence.

A curious learner, that is always looking forward to discovering and learning new tools/technologies related to the field.

## CONTACT DETAILS

Mobile: +91 8220096894

Place: Coimbatore

Email: dharineesh@gmail.com

## PUBLIC PROFILES

- LinkedIn: [Click Here](#)
- GitHub: [Click Here](#)

## PERSONAL PROJECTS

- **Movie Watch List App**
  - A windows app where we can keep track of the movies/shows we watch and note down future updates about them if needed.
  - Using Python, Tkinter, SQLite Database
- **Game of Thrones Network Analysis**
  - Graph network analysis on the Game of thrones dataset using R.
  - Deep Analysis on the different centralities such as Degree, Closeness, Clustering, Betweenness centralities
  - Analytical study on who is the most influential and important character in GOT.
- **Video Game Sales Data Analysis**
  - A business-based data analysis of the sales data over the years, to help video game industries to identify trends, market, and demand better.
  - Using Python and Tableau

## WORK EXPERIENCE

### Data Scientist Intern

Aveon Infotech | Sept 2022 – Present

- Working with Azure Cloud Machine Learning services to integrate AI into normal IT applications and products depending on customer's requirements.
- Built an Admission Queries Bot for college admission process which uses Azure ML natural language processing services such as LUIS (Language Understanding), speech-to-text, text-to-speech, sentiment analysis, etc.

### Machine Learning Engineer Intern

Xen.AI | Aug 2021 – Mar 2022 (8 months)

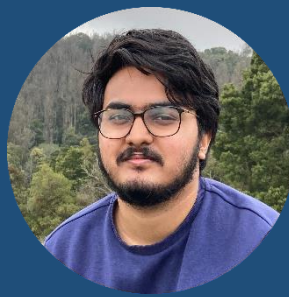
- As a member of the OpenIndustry.AI sub-division of the company, I worked with various industry-based projects.
- For a steel manufacturing industry client, I had successfully built an ML system capable of performing steel defect anomaly detection from images collected in various stages of the production line.
- For a truck company client, I helped to build an anomaly detection system using telematics data collected from various trucks over time.

### Applied Machine Learning and Data Science

IIT Kanpur | Apr 2020 – Jun 2020 (3 months)

- Worked on a collaborative Sentimental Analysis ML research-based project on real world twitter data.
- Raw twitter data had to undergo many stages of data cleaning, to make it more friendly for the ML model to understand.
- A comparative study of the different models and vectorization methods was conducted, and the results have been neatly noted and submitted in the form of a report.

# Dharineesh Karthikeyan



## PERSONAL PROJECTS

### • Traffic Detection using YOLOv3

- Using YOLO model to help detect pedestrians, traffic objects and different types of vehicles such as cars, motorbikes, etc. at different settings such as high traffic, dark roads, far away traffic and many more.

### • Facial Emotions Detector

- An OpenCV project capable to detect different kind of the emotions from the facial expressions of a person at real time.

### • AutoML App

- A user-friendly AutoML app for beginners with little to no amount of coding knowledge, can utilize the power of AI to any data they have. Using a simple UI design and an accessible webpage, anyone can upload any dataset and perform the various stages of building a machine learning model such as cleaning, pre-processing, feature selection, training and testing the models using simple button clicks.

## EDUCATION

### Amrita Vishwa Vidyapeetham

Integrated M.Sc. Data Science | 2018 - 2023

CGPA: 8.83 (End of Sem 8)

### National Model School

HSC (Higher Secondary School Certificate) | 2017 - 2018

Grade: 92.4%, Score: 1109/1200

### BVM Global

SSC (Secondary School Certificate) | 2015 - 2016

Grade: 92%, Score: 9.2/10

## SKILLS

### Programming Languages And Tools

✓ Python	✓ R
✓ MATLAB	✓ C / C++
✓ Java	✓ SQL / NoSQL
✓ Hadoop	✓ Hive/Pig
✓ Excel	✓ Tableau

### Technical Skills

✓ Data Analysis	✓ Machine Learning
✓ Deep Learning	✓ Statistical Analysis
✓ Visualizations	✓ NLP