

ANUPAMA M A

Software Engineer (ML/DL)

Location : Chennai, Tamil Nadu

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Date of Birth : 25th February 1994

PROFILE SUMMERY

Software Engineer (ML/DL) with 2+ years of experience in building algorithms and predictive models. Worked on clustering & classification, data analysis & visualization as well as hands-on experience in image processing and natural language processing methods. Passionate, quick learner with good communication skills.

SKILLS

Technical Skills

- Deep Learning Architectures, Neural Networks, SVM, Image Processing, NLP
- Linear/Logistic Regression, Clustering, Graph Theory, Regularization, Optimization
- TensorFlow, Keras, OpenCV, NLTK, SciKit Learn, Pandas, NumPy, Matplotlib
- Python, C++
- Requirements Engineering

Tools

- Anaconda, Jupyter, Visual Studio, Matlab
- MS Office, Google Workspace

Soft Skills

- Written and Verbal Communication
- Analytical Thinking
- Adaptability & Flexibility
- Collaboration

EXPERIENCE

ZF-Wabco India Limited

Software Engineer (ML/DL)

Chennai, India

(07/2019-Present)

- Worked on Vehicle Telematics for collecting valuable information from vehicle via CAN, processing them and transmitting them to cloud also for specifying system level requirements as well as system architecture.
- Worked on Terrain Classification for classifying the road surface using multiple deep learning models.
- Worked on Driver Monitoring System designing the cloud computing architecture as well as specifying feature level requirements and integrating the 3rd party SDKs into an embedded device by writing a wrapper function.
- Worked on Traffic Sign Recognition for classifying various traffic signs using multiple deep learning algorithms and integrating the models in Android app.
- Worked on developing the concept of Prognostic Diagnostics for using past and present vehicle data for validating the feasibility of data, predicting vehicle's condition and future maintenance requirements.

ZF-Wabco India Limited

Student Trainee/Intern

Chennai, India

(08/2018-07/2019)

- Worked on Requirements Robot project to help user overcome various requirements writing challenges such as duplicate requirements and requirements not written according to guidelines using Natural Language Processing.

EDUCATION

Amrita Vishwa Vidyapeetham

M-Tech Computational Engineering and Networking

Coimbatore, India

(03/2017-04/2019)

Heera College of Engineering and Technology

B-Tech Electronics and Communication Engineering

Trivandrum, India

(03/2012-03/2016)

PUBLICATIONS

Breast Cancer Classification using Capsule Network with Preprocessed Histology Images

Anupama M A, Sowmya V, Soman K P.

IEEE, ICCSP, Chennai

2019

Capsule Network for Plant Disease and Plant Species Classification

Vimal Kurup R, Anupama M A, Vinayakumar R, Sowmya V, Soman K P.

Springer, ISMAC-CVB, Namakkal

2019

CERTIFICATIONS

QR6S Yellow Belt Certification – Unexpected delay during FOTA POC testing

Machine Learning by Andrew Ng

Deep Learning prerequisites: The Numpy Stack in Python

Wabco, 2021

Coursera, 2018

Udemy, 2017

ADDITIONAL INFORMATION

Languages : English, Malayalam

Place: Chennai

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