



DHANYA SETHUMADHAVAN

Artificial Intelligence/Machine Learning

Total Experience: 6 years

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Place: Alnahda, Sharjah, UAE, visa: Residential Visa



OBJECTIVE

Certified Artificial Intelligence Engineer with a clear understanding of Machine Learning and Deep Learning Algorithms. Motivated to learn, grow, and excel in the industry.

PROFESSIONAL EXPERIENCE

- **AI Engineer**, Designment Works (2021-Present), Freelance
- **Senior System Engineer**, Infosys Technologies (2008-2012), Cross industry experience, Software Development, (Mainframe, Java)

EDUCATION

Master of Technology •
COMPUTATIONAL ENGINEERING AND NETWORKING • 2008 • Amrita Vishwavidyapeedam

BACHELOR OF ENGINEERING •
COMPUTER SCIENCE AND ENGINEERING • 2005 • ANNA UNIVERSITY

SKILLS

- Python, Pyspark, SQL
- AWS, IBM Watson, Heroku
- Tensorflow, Keras, Pytorch, OpenCV
- Git, WatsonStudio, AWS sage maker
- CNN, RNN, Computer Vision, NLP, GPT2
- Regression, SVM, PCA, Classification, Decision Tree, Clustering
- Jupyter Notebook, Colab
- CSS, HTML, Flask, Rest API

PROJECTS

1. **Slogan Generator** (Project for Designment Work, Branding Agency): Working on a POC for generating Ad Slogans using Artificial Intelligence. Python, Transformers (Present)
2. **Vehicle Detection, tracking and Counting:** [View the project](#)
To count the automobile traffic using SSD Mobilenet, Tensorflow API, OpenCV, Python and centroid tracking algorithm. (2021)
3. **Building Machine learning Pipelines:** [View the project](#)
Data Analysis, Feature Engineering, Feature Selection, Model building and deployment of Advanced House Price Prediction using Python. (2021)
4. **Object Detection using Tensorflow API:** [View the project](#)
To train on a new object that is not part of the COCO dataset. The images of a toy were collected. A RetinaNet pre-trained model was used. (2021)
5. **Disaster Tweet- (Detecting Real or Fake):**
Binary Classification, Sentiment Analysis, NLP, BERT
[Kaggle Link](#), [View the project and Kaggle Score](#)(2020)
6. **End to End deployment of ML Application:** To forecast the Bike sharing demand deployed in Heroku, Azure, GoogleCloud.
Python, Gradient Boost, Time series forecasting, Flask
[View the project](#), [Link to the deployment](#).(2020)

CERTIFICATIONS AND SPECIALIZATIONS

- **IBM AI Engineering Professional Certificate-IBM**-April 2021
- Cloud Computing Basic, [\[Coursera\]](#) - [Jan 2021]
- **Advanced Computer Vision with Tensorflow**, [\[deeplearning.ai\]](#) - 2021
- Sequence Models, [\[deeplearning.ai\]](#) - [Feb 2021]
- **Convolutional Neural Networks**, [\[deeplearning.ai\]](#) - [Jan 2021]
- Deep Neural Network with Pytorch [IBM]-April 2021
- **Scalable Machine Learning on Big Data using Apache Spark**, [\[IBM\]](#) [March 2021]
- Introduction to Deeplearning Neural Networks with Keras [IBM] [March 2021]
- **Building Deep Learning Models with TensorFlow**[IBM] - [March 2021]
- Deeplearning Nano Degree, [\[Udacity\]](#) - [Dec 2018]