Arjun Panicker

M.Tech CSE Graduate

Machine Learning and Artificial Intelligence Enthusiast. Looking for the role of Machine Learning Engineer in a company that will help me apply and increase my knowledge while I add value to their business. Experience in working with a team of the size of more than 10 with code collaboration. Experience in writing optimized code.

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stackoverflow.com/users/5768759/arjun-panicker

WORK EXPERIENCE

Software Analyst
Aspire Systems

06/2017 - 07/2019 *Chennai, India*

A service oriented Company that provides IT/Software related services.

Achievements/Tasks

- Worked on 3 projects. 1 internal project and 2 client projects at the same client location.
- Rewrote the print functionality for a webapp that brought down the wait time for generating the print preview from 5 min to 15 sec.
- Wrote the biolerplate code and core functionalities for a Workflow engine in NodeJs.
- Designed the complete database architecture for a workflow engine.
- Took active part in client meetings to understand the business requirements and helped team lead convert the requirements into functional modules.

Contact: Krishna KV - +91-8214620264

EDUCATION

M.Tech CSE
National Institute of Technology, Meghalaya

08/2019 - Present *CGPA: 9.92*

Courses

- Artificial Intelligence
- Project on Home Automation command classification
- Data Mining

B.Tech CSe
SRM University

06/2013 - 05/2017 *CGPA: 9.27*

Courses

- Student pass/fail classification using student details - Project
- Japanese
- Nature Inspired Computing

12th
Bal Bhavan Public School

05/2012 - 04/2013 *Percentage: 85.67%*

10th
Bal Bhavan Public School

05/2010 - 04/2011 *CGPA: 9.0*

LANGUAGES

English
Native or Bilingual Proficiency

Hindi
Native or Bilingual Proficiency

Malayalam
Native or Bilingual Proficiency

Japanese
Elementary Proficiency

SKILLS

Machine Learning | Deep Learning | Python | Tensorflow | NodeJs | Angular 2+ | SQL

PERSONAL PROJECTS

EDA on Haberman Dataset (07/2020 - 07/2020)
- Performed exploratory data analysis on the Haberman cancer detection dataset from Kaggle.
- Created various plots to explain the analysis visually using Seaborn and Matplotlib libraries of Python.

Home Automation Command Classification (11/2019 - Present)
- Create a classifier to classify the commands for controlling the smart devices at home through text messages in different languages written in English
- Uses fasttext embeddings and obtained 89.9% accuracy using 10-fold CV on KNN model

Network Service Provider Customer Churn using Machine Learning (05/2020 - 06/2020)
- Created a classifier that could predict whether a customer would stay with a Mobile operator or not based on various factors.
- Performed data preprocessing like missing value handling, outlier detection and treatment, feature scaling and normalization.
- Obtained 87% accuracy on test set.

Browser based Breast Cancer Classification DNN using Tensorflow.js (09/2020 - 09/2020)
- Created a 3 layer DNN using sigmoid layer as the output layer for breast cancer classification using Tensorflow.js for running on browser.

Poetry Generation using Sequence Models using and Glove Embeddings (08/2020 - 08/2020)
- Created a bidirectional LSTM model using Keras and added Dropout for regularization while using Glove word embeddings.

Horse vs Humans image classification using Transfer Learning (09/2020 - 09/2020)
- Used the weights from a pre-trained Inception Network for training a model and added custom layers in the end for classification.
- Achieved 99.2% accuracy in the validation set.

CERTIFICATES

DeepLearning.AI Tensorflow Developer - Coursera (09/2020 - Present)
Learned to build Neural Networks using Tensorflow and Keras including CNN, Sequence Models. etc. Earned through Coursera

Deep Learning Specialization - Coursera (04/2020 - 07/2020)
Learned about Hyperparameter tuning, optimizations, CNNs, Sequence Models, Structuring a ML/DL project, Bias-Variance tradeoff. It contains 5 courses.

Machine Learning - Coursera (05/2017 - 12/2019)
Learned about various ML techniques and Mathematical intution behind each algorithm and how to apply some of them from scratch.