Adityan Dange

Undergraduate Student

A self-motivated student with an interest in learning and gaining more experience in the fields of Artificial Intelligence and Software Development.

✉ dangeadityan@gmail.com 📱 9354482739 in linkedin.com/in/adityan-dange ○ github.com/AdityanDange

EDUCATION

Class XII (ISC)
Scottish High International School

2017 - 2018   *89.5%*

B.E Mechanical Engineering
BITS Pilani K.K Birla Goa Campus

2018 - 2022   *CGPA - 7.69*

WORK EXPERIENCE

Summer Intern
Hertztech Solutions Pvt Ltd

05/2020 - 06/2020
Provides Noise, Vibration and Hardness related engineering service in the automobile industry.
Tasks

- Involved in the development of Machine Learning Models which characterize and predict the noise and vibration of different types of automobiles (diesel, electric, petrol).
- Learnt about Deep Learning, Digital Signal Processing and Neural Network Architectures like Auto-encoders and their implementation in the context of the project.
- Used libraries such as Pandas and Numpy for the pre-processing of data and TensorFlow and Keras to build the actual models.

Software Development Intern
Draup

07/2021 - Present
AI driven Sales and Talent Intelligence Platform.
Achievements/Tasks

- Involved in the backend development team for the Draup web application.
- Learnt and used web frameworks like Django, databases like Postgres and Redis, and tested using Postman.
- Involved in the development and testing of APIs and the server side code for the web application.

Coordinator
Filmmaking Club BITS Goa

05/2020 - 05/2021
Achievements/Tasks

- Lead a team of 30 people and coordinate between the writing, editing and the cinematography groups to facilitate content creation.
- Directed, written and provided music for 3 short films.

SKILLS

Artificial Intelligence   Software Development   Machine Learning   Deep Learning   Data Structures and Algorithms   C++   Java   Python   Tensorflow/Keras

PERSONAL PROJECTS

Identification of limb movements using a BCI with EEG data. (10/2020 - 12/2020)
- Created Machine Learning Models which use EEG signals to predict movements of limbs.
- Learnt about data preprocessing techniques like : Butterworth Filters, Fast Fourier Transform and Wavelet Transform.
- Made models based on various Machine and Deep Learning architectures like Logistic Regression, Random Forests and Recurrent Neural Networks.

Predicting and analyzing the effect of lockdowns on the spread of COVID-19 in Canada using ML. (03/2021 - 04/2021)
- Made models which predict the number of daily cases each day using the daily cases of previous days and also the stringency data for lockdowns.
- Analyzed the impact of lockdowns on the number of daily cases.
- Used Machine Learning Models like XGBoost, Random Forest, Linear Regression, and Ridge.

Music Generation using Deep Learning (10/2021 - Present)
- Trained models on Beethoven piano pieces for it to generate similar music.
- Using Deep Learning models like LSTMs and Transformers.

CERTIFICATES

Neural Networks and Deep Learning - deeplearning.ai

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization - deeplearning.ai

Structuring Machine Learning Projects - deeplearning.ai

Convolutional Neural Networks - deeplearning.ai

Sequence Models - deeplearning.ai

INTERESTS

Artificial Intelligence   Deep Learning   Machine Learning