

M Badri NARAYANAN

Machine Learning | Deep Learning | Natural Language Processing | Computer Vision

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EDUCATION

SSN College of Engineering, Chennai	BTech, Information Technology	CGPA : 8.828 (SEM V)
Vidya Mandir Senior Secondary School, Chennai	12 th Grade	94.4%
Vidya Mandir Senior Secondary School, Chennai	10 th Grade	CGPA : 8.8

SKILLS

Programming Languages	Python, C, C++, Java, \LaTeX
Web Development	HTML5, CSS3, JavaScript, Express, Node JS, Angular JS
Frameworks	Git, TensorFlow, Keras, PyTorch, scikit, NLTK, spaCy, OpenCV
DataBase Systems	MySQL, MongoDB

PUBLICATIONS

SIGN LANGUAGE TRANSLATION USING MULTI CONTEXT TRANSFORMER [CODE](#)

M Badri Narayanan, Mahesh Bharadwaj K, Nithin G R, Dhiganth Rao Padamnoor, Vineeth Vijayaraghavan
Under Review at 20th Mexican International Conference on Artificial Intelligence (MICAI), Mexico City, 2021

END-TO-END SPEECH RECOGNITION OF TAMIL LANGUAGE

Mohamed Hashim Changrampadi, A Shahina, M Badri Narayanan, A Nayeemulla Khan
Under Review at Intelligent Automation & Soft Computing Journal, 2021

EXPERIENCE

Present March 2021	MAD STREET DEN, Machine Learning Intern, Chennai <ul style="list-style-type: none">> Part of a team which created an OCR engine to serve educational recommendations.> Worked on XBlox, a clustering tool to catalogue items using Artificial Neural Networks.> Supervisor : Mr. L Ramanathan & Mr. Manav Rajiv Moorthy
Present February 2020	SOLARILLION FOUNDATION, Undergraduate Research & Teaching Assistant (Part Time), Chennai <ul style="list-style-type: none">> Worked as the lead researcher in the team which worked on Sign Language Translation.> Guided students in Machine Learning & Deep Learning.> Supervisor : Mr. Vineeth Vijayaraghavan
Present October 2020	HALCEYON AI, Founder, Chennai <ul style="list-style-type: none">> Founded Halceyon AI, a tech company that specializes in Natural Language Processing & Computer Vision.> Undertook projects via https://www.freelancer.com
August 2020 June 2020	PRODIAN INFO TECH PVT LTD, Summer Intern, Chennai <ul style="list-style-type: none">> Applied unsupervised ML Algorithms to get the top features that affect a cricket match.> Supervisor : Mr. Vijay Karthik

SELECTED PROJECTS

CLICKBAIT CLASSIFICATION

COMPLETED - 2020

 [Clickbait Classification Source Code](#)

Classifying clickbaits using modern NLP techniques and architectures.

[Numpy](#) [Pandas](#) [Word Embeddings](#) [NLTK](#) [spaCy](#) [Transformers](#) [Encoders](#)

OBJECT DETECTION USING YOLO v3

COMPLETED - 2020

 [Object Detection Using YOLO v3 Source Code](#)

Object detection using YOLO v3 Algorithm with custom dataset.

[Numpy](#) [Pandas](#) [OIDv4](#) [YOLOV3](#) [Darknet](#) [Deep Learning](#)

MACHINE TRANSLATOR

COMPLETED - 2020

 [Machine Translator Source Code](#)

English to French neural machine translator built using Transformer architecture in NLP.

[Numpy](#) [Pandas](#) [NLTK](#) [spaCy](#) [Transformers](#) [NLP](#)

FLIGHT DELAY PREDICTION

COMPLETED - 2020

 [Flight Delay Prediction Source Code](#)

This project aims to develop a two stage machine learning model to predict if flights will be delayed upon arrival and if so, the delay in minutes.

[Machine-Learning](#) [Numpy](#) [Pandas](#) [Scikit-Learn](#) [Python](#)

AWARDS & HONOURS

- > Stood school 3rd in Chemistry in 12th standard.
- > Won the 2nd best project in Computer Science in 12th standard.

EXTRA CURRICULAR

- > Class Representative of my class for the entire duration of my UG study
- > Part of the Oraginning team for SSN Trophy 2k19.
- > Logistics incharge for my college cricket team.
- > Volunteering with Chennai Volunteers to teach spoken English classes for Tamil medium students.
- > Captained the school cricket team.
- > Represented the college cricket team.