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	12th Grade	94.4%
Vidya Mandir Senior Secondary School, Chennai	10th 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
> 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
> 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
> 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
> Applied unsupervised ML Algorithms to get the top features that affect a cricket match.
> Supervisor : Mr. Vijay Karthik

🖥 Selected Projects

Clickbait Classification
🔗 Clickbait Classification Source Code
Classifying clickbaits using modern NLP techniques and architectures.

Completed - 2020

`Numpy` `Pandas` `Word Embeddings` `NLTK` `spaCy` `Transformers` `Encoders`

Object Detection Using YOLO v3
🔗 Object Detection Using YOLO v3 Source Code
Object detection using YOLO v3 Algorithm with custom dataset.

Completed - 2020

`Numpy` `Pandas` `OIDv4` `YOLOV3` `Darknet` `Deep Learning`

Machine Translator
🔗 Machine Translator Source Code
English to French neural machine translator built using Transformer architecture in NLP.

Completed - 2020

`Numpy` `Pandas` `NLTK` `spaCy` `Transformers` `NLP`

Flight Delay Prediction
🔗 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.

Completed - 2020

`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 Oraginzing 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.