

M Badri NARAYANAN

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

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EDUCATION

SSN College of Engineering, Chennai

Bachelor of Technology, Information Technology

August 2018 - Present

Current GPA : 8.828(Semester V)

Vidya Mandir Senior Secondary School, Chennai

12th Standard

2017 - 2018

94.4%

Vidya Mandir Senior Secondary School, Chennai

10th Standard

2015 - 2016

8.8 CGPA

SKILLS

Programming Languages	Python, C, C++, \LaTeX
Web Development	HTML5, CSS3, JavaScript
Frameworks	Git, TensorFlow, Keras, PyTorch, scikit, NLTK, spaCy, OpenCV
DataBase Systems	MySQL
Platforms	Linux, Windows

EXPERIENCE

Present
March 2021 Machine Learning Intern, MAD STREET DEN, Chennai
 > Worked in clustering of catalogue items using Artificial Neural Networks.
 > Supervisor : Mr. L Ramanathan

Present
February 2020 Undergraduate Research Assistant, SOLARILLION FOUNDATION, Chennai
 > Research on sign language translation
 > Supervisor : Mr. Vineeth Vijayaraghavan

Present
October 2020 Freelance Projects, FREELANCER.COM, Chennai
 > Undertook projects via Freelancer.com. [FreeLancer.com Profile](#)
 > Classification of ICD Code using state of art Transformer Model.
 > Arabic Tweet Rumor Detection using LSTMs.
 > Malware Detection using Artificial Neural Networks.

September 2020
August 2020 ML / AI Intern, APPCILIIOUS PVT LTD, Bangalore
 > Data preprocessing, data cleaning.
 > Developed a chat bot using modern NLP architectures and techniques.
 > Feature extraction and feature comparison using SIFT and OpenCV.
 > Supervisor : Mr. Arpan Deb

August 2020
June 2020 Summer Intern, PRODIAN INFOTECH PVT LTD, Chennai
 > Data preprocessing, data cleaning of cricket match data and feature analysis.
 > Applying Unsupervised ML Algorithms to get the top 5 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](#)

PORTFOLIO WEBSITE

COMPLETED - 2020

 [Portfolio Website Source Code](#)  [Portfolio Website](#)

Personal website created using HTML5, CSS3 and hosted using Github pages. Page currently live at <https://mbadrinarayanan.github.io>

[HTML5](#) [CSS3](#)

HOTEL MANGEMENT SYSTEM

COMPLETED - 2019

 [Hotel Management System Source Code](#)

This project aims to create a software to facilitate hotel room bookings and provide billing operations.

[C](#) [Structures](#) [File Handling](#)

RAILWAY TICKET RESERVATION SYSTEM

COMPLETED - 2019

 [Railway Ticket Reservation System Source Code](#)

This project aims to create a software to facilitate train ticket booking system using MySQL and Visual Basic Forms.

[SQL](#) [Visual Basic](#) [Forms](#)

MOVIE TICKET RESERVATION SYSTEM

COMPLETED - 2018

 [Movie Ticket Reservation System Source Code](#)

This projects aims to create a software to facilitate in movie ticket bookings.

[C++](#) [Graphics](#) [File Handling](#)

OTHELLO

COMPLETED - 2018

 [Othello Source Code](#)

This project aims to create a 2 player checkers game.

[C++](#) [Graphics](#) [File Handling](#)

CORRECTION FACTOR FOR DEFECTIVE EYES

COMPLETED - 2018

 [Correction Factor For Defective Eyes Source Code](#)

This project aims to determine the correction factor for defective eyes.

[C++](#) [Graphics](#)

NUCLEAR FUSION REACTION IN THE SUN

COMPLETED - 2018

 [Nuclear Fusion Source Code](#)

This project aims to illustrate the nuclear fusion reaction in the sun.

[C++](#) [Graphics](#)

EXTRA CURRICULAR

- > Volunteering with Chennai Volunteers to teach spoken English classes for Tamil medium students.
- > Captained the school cricket team.
- > Represented the college cricket team.

AWARDS & HONOURS

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