

M Badri NARAYANAN

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

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SUMMARY

I am currently pursuing my bachelors in Information Technology from SSN College of Engineering, Chennai. I am interested in the fields of Machine Learning, Deep Learning, Natural Language Processing, Computer Vision and Data Science. I would like to work in the aforementioned fields and develop real world solutions.

EDUCATION

SSN College of Engineering, Chennai August 2018 - Present
Bachelor of Technology, Information Technology *Current GPA : 8.60(Semester IV)*

Vidya Mandir Senior Secondary School, Chennai 2017 - 2018
12th Standard *94.4%*

Vidya Mandir Senior Secondary School, Chennai 2015 - 2016
10th Standard *8.8 CGPA*

EXPERIENCE

Present
April 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.
 > Building a chat bot from scratch 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

SKILLS

Programming Languages	Python, C, C++, R, GNU Octave, MASM, \LaTeX
Web Development	HTML5, CSS3, JavaScript
Frameworks	Git, TensorFlow, Keras, PyTorch, scikit, NLTK, spaCy, OpenCV
DataBase Systems	MySQL
Integrated Development Environment	Code Blocks
Platforms	Linux, Windows

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](#)

CERTIFICATIONS

- > **Natural Language Processing Specialization (4 Course Specialization)** : deeplearning.ai and Coursera.
- > **Tensorflow in Practice Specialization (4 Course Specialization)** : deeplearning.ai and Coursera.
- > **Deep Learning Specialization (5 Course Specialization)** : deeplearning.ai and Coursera.
- > **Machine Learning** : Stanford University and Coursera.
- > **Python for Data Science** : NPTEL India and IIT Madras.
- > **Modern Natural Language Processing In Python** : Created and taught by Martin Jorkeviell, Kirill Eremenko, Hadelin de Ponteves & SuperDataScience Team, offered via Udemy.
- > **Natural Language Processing (NLP) with Python : 2020** : Created and taught by Ankit Mistry, Vijay Gadhave, Data Science & Machine Learning Academy, offered via Udemy.
- > **NLP - Natural Language Processing with Python** : Created and taught by Jose Portilla, offered via Udemy.
- > **Natural Language Processing(NLP) with Deep Learning in Keras** : Created and taught by Carlos Quiros, offered via Udemy.
- > **Master Computer Vision™ OpenCV4 in Python with Deep Learning** : Created and taught by Rajeev D. Ratan, offered via Udemy.
- > **Training YOLO v3 for Objects Detection with Custom Data** : Created and taught by Valentyn Sichkar, offered via Udemy.
- > **Python for Computer Vision with OpenCV and Deep Learning** : Created and taught by Jose Portilla, offered via Udemy.
- > **R Programming A-Z™ : R For Data Science With Real Exercises!** : Created and taught by Kirill Eremenko & SuperDataScience Team, offered via Udemy.
- > **Complete Python Bootcamp : Go from zero to hero in Python 3** : Created and taught by Jose Portilla, offered via Udemy.
- > **Version Control with Git** : Atlassian and Coursera.
- > **Introduction to HTML5** : University of Michigan and Coursera.
- > **Introduction to CSS3** : University of Michigan and Coursera.
- > **Interactivity with JavaScript** : University of Michigan and Coursera.
- > **Advanced Styling with Responsive Design** : University of Michigan and Coursera.

WORKSHOPS

- > **Workshop In Ethical Hacking** : Online Workshop conducted by MyCaptain
- > **Workshop In Artificial Intelligence** : Online conducted by MyCaptain

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.

LANGUAGES

English	●	●	●	●	●
Tamil	●	●	●	●	○
Sanskrit	●	●	●	●	○
Hindi	●	●	●	○	○