M Badri NARAYANAN

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

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🎓 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*

☰ SKILLS

Programming Languages	Python, C, C++, Java, 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

💼 EXPERIENCE

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. ℯ 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, APPCILIOUS 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 cleanning 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

🖥 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

PORTFOLIO WEBSITE
○ Portfolio Website Source Code   𝑒 Portfolio Website
Personal website created using HTML5,CSS3 and hosted using Github pages. Page currently live at
https://mbadrinarayanan.github.io

COMPLETED - 2020

HTML5 | CSS3

HOTEL MANGEMENT SYSTEM
○ Hotel Management System Source Code
This project aims to create a software to facilitate hotel room bookings and provide billing operations.

COMPLETED - 2019

C | Structures | File Handling

RAILWAY TICKET RESERVATION SYSTEM
○ 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.

COMPLETED - 2019

SQL | Visual Basic | Forms

MOVIE TICKET RESERVATION SYSTEM
○ Movie Ticket Reservation System Source Code
This projects aims to create a software to facilitate in movie ticket bookings.

COMPLETED - 2018

C++ | Graphics | File Handling

OTHELLO
○ Othello Source Code
This project aims to create a 2 player checkers game.

COMPLETED - 2018

C++ | Graphics | File Handling

CORRECTION FACTOR FOR DEFECTIVE EYES
○ Correction Factor For Defective Eyes Source Code
This project aims to determine the correction factor for defective eyes.

COMPLETED - 2018

C++ | Graphics

NUCLEAR FUSION REACTION IN THE SUN
○ Nuclear Fusion Source Code
This project aims to illustrate the nuclear fusion reaction in the sun.

COMPLETED - 2018

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 Jocqueviel, 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   ●●●○○