

# M BADRI NARAYANAN

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## EDUCATION

### SSN College of Engineering, Chennai

B.Tech. Information Technology

Jun 2018 – Jun 2022

GPA: 8.92 (Sem VI)

**Courses:** Probability, Statistics, Discrete Mathematics, Data Structures, Machine Learning, Deep Learning

**Roles:** Head of the ML Division of PROCODE - official coding club of Department of IT, Class representative for four years.

### Vidya Mandir Senior Secondary School, Chennai

12<sup>th</sup> Grade, Computer Science

Jun 2017 – Jun 2018

94.4%

## SKILLS

**Programming Languages:** Python, C, C++, Java, ~~LaTeX~~

**Frameworks & Libraries:** Git, AWS, TensorFlow, Keras, PyTorch, scikit-learn, NLTK, spaCy, OpenCV

**Web Development:** HTML5, CSS3, JavaScript

## PUBLICATIONS

### Sign Language Translation using Multi Context Transformer [Paper](#) [Code](#)

20<sup>th</sup> Mexican International Conference on Artificial Intelligence (MICA), Mexico City, 2021

### End-to-End Speech Recognition of Tamil Language [Code](#)

Intelligent Automation & Soft Computing Journal, 2021

## EXPERIENCE

### Mad Street Den, Machine Learning Intern, Chennai, India

Mar 2021 – Present

- Created an NLP engine which handled wide array of tasks like Classification, Topic Modelling along with visualization.
- Built Computer Vision models to serve educational recommendations.

**Advisor:** Mr. Anand Chandrasekharan

### Solarillion Foundation, UG RA & TA (Part Time), Chennai, India

Feb 2020 – Present

- Lead the team which worked on Sign Language Translation.
- Evaluated assignments & projects, Guided students in Python, ML, DL & research phase.
- Lead the website development team and was part of server management team.
- Wrote bots for posting office hours and creating polls.

**Advisor:** Mr. Vineeth Vijayaraghavan

### Halceyon AI, Founder, Chennai, India [Freelancer Profile](#)

Oct 2020 – Present

- Founded **Halceyon AI**, a tech company that specializes in Natural Language Processing & Computer Vision.
- Built an NLP model to determine the ICD code given a medical report.

### Pro dian Info Tech Pvt Ltd, Summer Intern, Chennai, India

Jun 2020 – Aug 2020

- Applied unsupervised ML Algorithms to explore different patterns that affect a cricket match.

**Advisor:** Mr. Vijay Karthik

## SELECTED PROJECTS

### Clickbait Classification [Code](#) 2020

Classifying clickbaits using modern NLP techniques and architecture.

### Flight Delay Prediction [Code](#) 2020

Two stage machine learning engine to predict arrival delay of flights in minutes.

### Object Detection Using YOLO v3 [Code](#) 2020

Detecting everyday items using YOLO v3 Algorithm.

## AWARDS & HONOURS

- Stood school 3rd in Chemistry in 12<sup>th</sup> grade.
- Won the 2nd best project in Computer Science in 12<sup>th</sup> grade.

## VOLUNTEERING & RESPONSIBILITIES

- Designed the course & evaluated ML & DL assignments & projects as part of PROCODE.
- Part of the tech team for SSN MUN 2021.
- Volunteering with Chennai Volunteers to teach spoken English classes.
- Represented the college cricket team & was the logistics incharge.
- Part of the organizing team for SSN Trophy 2k19.
- Captained the school cricket team.