M Badri Narayanan

🌐 mbadrinarayanan.github.io ⬡ MBadriNarayanan in mbadrinarayanan ✉ mbadri@ieee.org

EDUCATION

Sri Sivasubramaniya Nadar (SSN) College of Engineering, Chennai   **Jun 2018 – Jun 2022**
B.Tech. Information Technology   **GPA: 8.92 (Sem VI)**
Courses: Probabilty, 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   **Jun 2017 – Jun 2018**
12th Grade, Computer Science   **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**
20th Mexican International Conference on Artificial Intelligence (MICAI), 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**
→ Working with a team to create a Natural Language Processing engine to perform various tasks like Classification, Topic Modelling, Summarization & their 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 offfice hours and creating polls.
Advisor: Mr. Vineeth Vijayaraghavan

Freelance Projects **Freelancer Profile**   **Oct 2020 – February 2021**
→ Undertook projects from freelancer.in in Natural Language Processing & Computer Vision.
→ Built an NLP model to determine the ICD code diagnosis given a doctor medical report.
→ Created an LSTM model for Arabic Tweet Rumor Detection.

Prodian 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.

Object Detection Using YOLO v3 ⬡ **Code** **2020**
Detecting everyday items using YOLO v3 Algorithm.

Flight Delay Prediction ⬡ **Code**   **2020**
Two stage machine learning engine to predict arrival delay of flights in minutes.

VOLUNTEERING & RESPONSIBILITIES

→ Conducted classes, 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.

→ Part of the collegiate cricket team which won the title at Manipal Academy for Higher Education.

→ Captained the school cricket team.