M BADRI NARAYANAN

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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.

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*
Won the 3rd best paper award.
End-to-End Speech Recognition of Tamil Language   **Code**
Accepted at 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 for fashion data.
→ 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.

AWARDS & HONOURS

→ Won the **3rd best paper** for "**Sign Language Translation using Multi Context Transformer**" at Mexican International Conference on Artificial Intelligence (MICAI), 2021.
→ Lead my team to the top 550 in the RSNA-MICCAI Brain Tumor Radiogenomic Classification Kaggle competition from over 1500+ participating teams.
→ Part of the collegiate cricket team which won the Manipal Academy for Higher Education (MAHE) cricket tournament.
→ Won the **2nd best project** for Computer Science in Grade 12.
→ Captained the school cricket team.