Sanjay Thiyagarajan | Tamilnadu, India

sanjaythiyagarajan2002@gmail.com
GitHub | LinkedIn

RESEARCH EXPERIENCE

- **DCGAN for EMNIST letters**
  June '21 - Dec '21 (Expected) | ASE Chennai

  i. Developing DCGAN for EMNIST from the open source DCGAN made for the MNIST data.
  ii. Collected research publications on DCGANs and its performance on similar cases.

- **Breast cancer diagnosis**
  Dec '20 - Mar '21 | ASE Chennai

  Worked with Prof. Prasanna Kumar and Prof. Sreedevi AG
  i. Developed a Random Forest model for the classification of benign and malignant cases and compared the same with benchmark algorithms for diagnosis.
  ii. Collected and preprocessed the data with PCA and normalization.

SKILLS

- **Data Science**
  R, Python (PyTorch, Tensorflow)
- **App development**
  - **Android**
    (Java, Kotlin, Dart)
  - **Web**
    (Django, Flask, GraphQL, REST API, ReactJS)
- **Programming**
  C, C++, Python, Java

ACHIEVEMENTS

- **MLOps for Good by Iguazio**

  Third prize - Overall

  Project - A deep learning powered "Deep Fake" detector hosted on a production server

  July 2021

- **CalHacks by UC Berkeley**

  Winner of Education track

  Project - American Sign Language tutor based on deep learning.

  April 2021

EDUCATION

- **B.Tech. Computer Science and Engineering**
  CGPA - 8.64 / 10
  Amrita Vishwa Vidyapeetham,
  Chennai Campus
  2019 - Present

- **Higher Secondary Course**
  Percentile - 83
  AVP Trust National Matriculation Higher Secondary School, Tiruppur
  2017 - 2019

OTHER EXPERIENCE

- **Evaluator | Toycathon 2021**

  Innovation Cell, MHRD, India

  February 2021 - June 2021

- **President | Cognizance (Student Club)**

  Dept. of CSE, ASE Chennai

  December 2020 - Present

PROJECTS

- **Credible** [Source]

  An AI powered web app for analysing and visualizing business models.

  June 2021

- **Deep Shield** [Live Demo]

  A deep learning powered "Deep Fake" detector hosted on a production server

  July 2021

- **Health Heroes** [Source]

  A digital platform for maintaining health records of patients which provides seamless connectivity using doctor portal and patient portal.

  February 2021

COURSES & CERTIFICATIONS

- **MOOC COURSES**
  - Python for Data Science and AI (IBM) - Coursera
  - Machine Learning (Stanford University) - Coursera
- **CERTIFICATION**
  - Microsoft Technology Associate - Security Fundamentals - 88%