**Sanjay T**

**PROFILE**

An inquisitive learner, seeking an entry level role preferably in the field of Deep learning or App development that can nurture my computational skills and research experience to contribute for the analytical and software development needs of the company and for my professional growth.

**EDUCATION**

* **B.Tech** **Computer Science and Engineering**

**CGPA – 8.76 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 83% **2019**

Institution: A.V.P Trust National Matriculation Higher Secondary School, Tiruppur, Tamilnadu

* **Class 10** – 97% **2017**

Institution: A.V.P Trust National Matriculation Higher Secondary School, Tiruppur, Tamilnadu

**TECHNICAL INTERESTS**

Deep Learning   
Data Analytics   
Web & Android App Development   
MLOps

**PROJECTS**

**Genie Net**

Duration/Period: September 2021

Objective: To keep the social networks safe from computer generated / morphed images.

Tools or techniques used: PyTorch, Django, Bootstrap, HTML, CSS, JavaScript, Microsoft Azure App Service Outcome: Built a web app for detecting computer generated images using a Convolutional Neural Network

**Product Score**

Duration/Period: August 2021

Objective: To eliminate the need for an analyst by building a platform for analyzing the product reviews from the popular app markets like Google Play Store, App Store and Atlassian Marketplace

Tools or techniques used: Atlassian Forge, React JS, Flask, Heroku, expert.ai Natural Language API, Web scraping

Outcome: Built an integrated platform for analyzing the product reviews and hosted it on Atlassian Confluence platform.

**Deep Shield**

Duration/Period: July 2021

Objective: To detect deep fakes in images

Tools or techniques used: Django (Python), Bootstrap, HTML, CSS, JavaScript, expert.ai Natural Language API, Web scraping

Outcome: Built a web app for detecting deep fakes using a deep learning pipeline consisting of the Blaze Face model for face extraction and the Deep fake model for detection.

**AgroAssist**

Duration/Period: May 2021

Objective: To detect diseases in apple tree leaves

Tools or techniques used: Django (Python), Bootstrap, HTML, CSS, JavaScript, HubSpot

Outcome: Built a web app for detecting diseases in Apple tree using Convolutional Neural Network.

**INTERNSHIP**

**Mitacs Globalink Research Internship / University of Victoria (Offline)**

Duration/Period: May 2022 – Present   
Objective: To establish relationship between biological and chronological aging using Machine Learning Tools or techniques used: Python

**WikiWorks (Wikimedia Foundation) / Virtual**Duration/Period: November 2021 – Present   
Objective: To improve MediaWiki extensions like Cargo, Page Forms and Flex Diagrams Tools or techniques used: JavaScript, jQuery, PHP

**CERTIFICATIONS**

Microsoft Technology Associate – Security Fundamentals – 88%

**ACHIEVEMENTS & HONOURS**

AWS Graviton Hackathon – Amazon Web Services – First Place

July 2021

Detecting tampered / CGI images using Deep Learning

MLOps for Good - Iguazio, Microsoft, MongoDB – Third Place

July 2021

Detecting deep fakes using Deep learning powered by MLRun

hello: world by Cal Hacks, UC Berkeley — Winner

April 2021

Teaching American Sign Language (ASL) through an interactive game which provides the

score based on the user’s accuracy in making the signs on a live camera.

Yaadhum Oore Global Conclave Hackathon, Government of Tamilnadu & IEEE YESIST20 — Runner-up

October 2020

Formify - Android app which fills digital forms for uneducated people by interacting with them through

voice using Google TTS engine.

RallyToUS+ VetsinTech Hackathon — Honorable Mention

October 2020 ContactMe - Android app for managing contact cards using simple QR code based requests eliminating

much of physical contact.

Lights Camera Hacktion, MLH — Winner

February 2020 Perfect Pause - A computer vision powered VLC client which monitors the user’s facial data and pauses

the movie when the user is diverted or falls asleep.

Hero Hacks, MLH — Best Google Cloud implementation

February 2020 Health Heroes - Android app for storing and managing digital prescriptions added with no-contact

prescribing through QR codes and doctor profile verification.

New Friends New Hacks, MLH — Third Place

February 2020 Mask Appeal - A python project for detecting whether a person wears a mask or not using OpenCV

**EXTRA CURRICULAR ACTIVITIES**

**Evaluator | Toycathon 2021 (Grand Finale)** Innovation Cell, MHRD, India   
*February 2021 - June 2021*

**President | Cognizance (Student Club)** Dept. of CSE, ASE Chennai   
*December 2020 - Present*