Sanjay T

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Objective

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

Education

Degree
Course: B.Tech – Computer Science Engineering
Institution: Amrita School of Engineering, Chennai
Period: 2019-2023
CGPA: **8.76 /10**

Higher Secondary Education
Subjects: Physics, Chemistry, Mathematics
Institution: A.V.P Trust National Matriculation Higher Secondary School, Tiruppur, Tamilnadu
Period: 2017-2019
Board: State Board
Marks: 498/600

Secondary Education
Institution: A.V.P Trust National Matriculation Higher Secondary School, Tiruppur, Tamilnadu
Period: 2016-2017
Board: State Board
Marks: 486/500

Areas of Technical Interest:
Deep Learning, Data Analytics, Web & Android App Development, MLOps

Certification
- AWS Cloud Practitioner Essentials (Course)
- Microsoft Technology Associate – Security Fundamentals

Technical Skills
PyTorch, TensorFlow, Django, Flask, Bootstrap, JavaScript, C++, Java, SQL, GoLang, Kotlin, jQuery, PHP

Projects
Topic: Genie Net
Duration: September 2021
Objective: To keep the social networks safe from computer generated / morphed images.
Tools 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
Source: https://github.com/sanjay-thiyagarajan/GenieNet

Topic: Deep Shield
Duration: July 2021
Objective: To detect deep fakes in images

Tools 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.
Source: https://github.com/sanjay-thiyagarajan/DeepShield

Internship

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

Achievements

AWS Graviton Hackathon – Secured *First Place* | July 2021
Organizer: Amazon Web Services
Project – Detecting tampered / CGI images using Deep Learning

MLOps for Good – Secured *Third Place* | July 2021
Organizers: Iguazio, Microsoft and MongoDB
Project - Detecting deep fakes using Deep learning powered by MLRun

hello: world by Cal Hacks, UC Berkeley — *Secured First Place* | April 2021
Organizer: UC Berkeley
Project - 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— Secured Second Place | October 2020
Organizers: Government of Tamilnadu, IEEE YESIST20
Project - Android app which fills digital forms for uneducated people by interacting with them through voice using Google TTS engine.

Leadership Experience

- **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

Personal details

Date of Birth: 05/06/2002
Language proficiency: English, Tamil
Hobbies: Watching movies, Badminton, Cricket
Contact Address: 8/1028B, Teachers Colony, Mummoorthy Nagar, Pooluvapatti Post, Tiruppur, Tamilnadu

Place: Tiruppur
Date: 05/10/2021

(Sanjay T)