SAKSHAM CHECKER

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OBJECTIVE

Seeking a position of ML-AI intern, 2nd year student at Delhi Technological University

EDUCATION

Bachelor of Technology, Engineering Physics Delhi Technological University, Expected 2024
CGPA - 9.42
Senior Secondary Education, Science, Vishal Bharti Public School 2020
91.8%
Secondary Education, Science, Vishal Bharti Public School 2018

SKILLS

Languages and Technical Skills C++, Python,Machine learning,Deep Learning, Networking
Tools and Technology Data Structures, Packet Tracer, Linux, Unity, Blender

EXPERIENCE

ML/AI Intern January 2021 - March 2021*
Help Us *New Delhi, IN*
Working on chat bot for Mental Health.

Researcher December 2020 - Present
CALIBRE-DTU *New Delhi, IN*

- Completed a paper on application of various machine learning and deep learning models to detect intrusion in IoT networks.
- Currently working on classification of Malware using Deep Neural Networks.

PROJECTS

Brain Tumor Segmentation. Accurate automatic algorithms for the segmentation of brain tumors have the potential of improving disease diagnosis, treatment planning, as well as enabling large-scale studies of the pathology. This article presents the implementation of two Deep Learning models which are used for segmentation of brain tumor using the images available in a dataset on Kaggle.
Medium Blog Github

E-Commerce Product Recommendation System. Every e-commerce website works with a recommendation system to provide the customer with best recommendations on what they might be willing to buy. This article covers how Natural Language Processing can be used to recommend products for the customer. The models are tested for Fashion products.
Medium Blog Github

Satellite Image Classification. Satellites are used for weather analysis. Satellite images can be used to predict the type of terrain in an area. This project uses images of different classes to detect the type of terrain or to classify the area as cloudy.
Medium Blog Github

ACHIEVEMENTS

Finalist of Toycathon 2021. Participated in Toycathon 2021 organized by the innovation cell of Ministry of Education along with AIEEE. Out of the initial 17000+ ideas nation-wide, our team reached the final round of the competition with 270(approx.) participating teams. We created a Unity based game, reviving Sanskrit through ancient Gurus themselves. Savinodam is a Virtual Reality based app. Github

PUBLICATIONS

Solar Panels Crack Detection using Overhead Images The technology of Solar Panels faces defects on a large scale. These defects can be within the cells or on the panel as a whole. Management authorities require automated systems to detect the physical faults on the solar panels. These faults can either be detected by physically looking at the panels or through the energy supply, which requires Machine Learning models.
DOI : 10.22214/ijraset.2021.38532

POSITION OF RESPONSIBILITIES

Technical Co-head April 2021 - Present
RoundTable-DTU *New Delhi, IN*

- Organized Data Science Hackathon with around 1000 participants globally.
- Organized competitive coding competition "Chamber of Codes" with over 1300 participants globally.
- Organized webinar on "Kickstart to Machine Learning"