Payyakkottu Kizhakethil Akash

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EDUCATION

B.Tech in Computer Science Engineering (AI & ML) - B V Raju Institute of Technology, Medak, Telangana   2020 - 2024

CGPA - 9.04

PERSONAL PROJECTS

Offensive language tweet prediction using Machine Learning   07/2022
- Used Natural Language Processing(NLP) to categorize offensive, hate and good tweets.
- Data preprocessing using RegEx followed by Vectorizing.
- Obtained high accuracy by using DecisionTreeClassifier.

Fake news detection using Machine Learning   07/2022
- Used Natural Language Processing(NLP) to build this project.
- Data preprocessing using RegEx followed by Vectorizing.
- Obtained highest accuracy with RandomForestClassifier.

ToDoList   (12/2021 - 01/2022)
- Developed full stack web application using Django as backend and HTML-CSS for responsive front end.
- Website Equipped with basic authentication & Google Auth with RESTful APIs.

HACKATHONS & COMPETITIONS

Reached top 250 across India in NASSCOM - CAPGEMINI   03/2023
- Developed an ML regression model to calculate Air Quality Index of Telangana.
- The model can measure air presssure & humidity and predict weather with 80 % certainty over a 6-month period.

Finalist in SERB-INAE Hackathon - Jadavpur University, Kolkata   09/2022
- Developed a LSTM based Abstractive Text Summarizer model using Deep Learning.
- Used tokenization and stemming along with tokens for identifying START and END markers.

Participated in Telangana Assistive Technology Exhibition - TSIC at THub   12/2022
- Showcased a DeepLearning model built with Computer Vision for 'Facial Emotion Recognition for Visually Impaired'.
- Used AffectNet dataset for the model & RaspberryPi for the mobility of the user.

Participated in CodeFury 5.0 - University of Visvesvaraya College of Engineering, Bengaluru   08/2022
- Developed Backend for a mobile application that establishes connection between VC's and Startups.
- Used RESTful APIs for individual Chatrooms to connect.

Runner up in Lexicon 2.0 hackathon - CodeChef-IARE   12/2021
- Developed back-end for mobile application for 'Covid-19 tracker and analysis' using Django.
- Built APIs using RESTful framework with 2-factor authentication.

POSITIONS OF RESPONSIBILITY

TechTurrets - Vice-President   05/2022 - Present
- TechTurrets, a technical club at B V Raju Institute of Technology, Narsapur.

WhatTheHack - Organizer   10/2022
- Lead organizer for the event in Promethean, a silver jubilee annual celebration at BVRIT, Narsapur.

SKILLS

• Machine Learning • Deep Learning • Django • Python • C/C++ • Data Structures & Algorithms • DBMS • SQL • HTML-CSS

CODING PROFILES

• **HackerRank** - akashpk1331   • **LeetCode** - akash_1331   • **CodeChef** - akashpk_1331

CERTIFICATES

Applied Accelerated AI - Elite certified by IIT Palakkad(NPTEL Online)   08/2022 - 11/2022
Soft Skills - Elite certified by IIT Roorkee(NPTEL Online)   08/2022 - 11/2022
AI For Everyone - Course offered by Deeplearning.AI on Coursera   04/2022 - 05/2022
Database for developers - Course offered by Oracle Dev Gym.   12/2021

INTERESTS

• Linear algebra & Calculus • Statistics • Deep learning & Computer Vision • Gaming • Exploring Technology