Akash Varma Kucharlapati

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Profile

A self-paced individual with strong communication skills is mainly focused on completing goals effectively and efficiently via proper time management and hard work and is also more interested in Python programming and AI.

Education

B-Tech (Computer Science and Artificial Intelligence)-8.64 CGPA   **2020-2024,**
Amrita Vishwa Vidyapeetham, Kollam Kerala. ↗

Intermediate-9.88 CGPA   **2018-2020,**
Sri Chaitanya Junior College,Vijayawada, Andhra Pradesh ↗

Secondary Education-9.7 CGPA   **2017- 2018,**
Dr KKR's Gowtham School, Gudiwada, Andhra Pradesh ↗

Skills

Programming Languages:
Python, Java, C++, Java Script, Bash programming

Database Management
SQL, Postgresql, Cassandra, Mongo DB, Kafka

OS Experience:
Windows, Linux

Web Languages:
HTML, CSS, BootStrap

Other Tools:
Matlab, Cisco Packet Tracer, Hadoop

Soft Skills
Time Management, Flexible, Active in group discussions

Projects

Group Chat Management, *using Python* ↗
March 2022-June 2022
- This project involves coding in the Python language with socket programming.
- It will provide numerous options for group management, easy file transfer, and message sending through the command line.
- This project also has networking concepts for connecting two users.

Mobile Controlled Robot, *by Rasp Controller*
March 2022-June 2022
- This project involves two phases hardware and software.
- In hardware we have an OS installed in it which allows the instruction from user to accomplish.
- In software python is used as programming language for sending user's intructions.
- For sending instruction Rasp Controller app is used.
- Finally user can control the robot with the help of arrow keys provided.

Real Time Twitter Analysis, *using Python* ⧉
 October 2021-January 2022
- This project involves python coding to use api keys for fetching data from twitter.
- It will displays the current trending hashtags which are there in twitter at that moment and automatically updates in the bar graph displaye.
- There is also a UI for user friendlyness.

Image Colorization, *using Matlab* ⧉

October 2021- January 2022
- Uses a palette image to transform a black and white image into a color image.
- The project also includes a user interface (UI) for uploading and converting images.

Fraud Credit Card Detuction, *using Logistic Regression and Random Forest Algorithm*

March 2021-May 2021
- Logistic Regression and Random Forest are the two ML algorithms that are employed.
- The data set was chosen from Kaggle.
- This project will ultimately determine which credits are fake.

Experience

CODE@AMRITA, *Member, May 2022- September 2022 | Amrita, Btech*
Participated in Hackathons

AI@AMRITA, *Member, October 2020- February 2021 | Amrita, Btech*
Coded and explained machine learning algorithms called decision trees and random forests to the club members.

Certificates

IBM FULL STACK SOFTWARE DEVELOPER (Professional)
by Course era (Nov 2022-present)

Matlab OnRamp ⧉
by MathWorks (Feb 06,2023)

Fundamentals of Deep Learning ⧉
by NVIDIA DLI (Nov 12, 2022)

Interests

Learning new AI algorithms, Playing Chess, Solving puzzles like Rubik's cube and sudoku

Languages

English
Read, Write and Speak

Hindi
Read, Write and Speak

Telugu
Read, Write and Speak

Community Outreach

Conducted a fire safety awareness event for high school students in front of the district subcollector with the help of fire safety officers as part of student social responsibility.

Extra Curricular Actvities

Completed all of the Dakshin Bharath Hindi Prachar Sabha exams, which are recognized by India as institutions of national importance for Hindi proficiency, at the age of 13.