K.R Mahaadevan

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Education

International Institute of Information Technology,Bangalore	**July 2023 – Present**
Master of Science in Digital Society	*CGPA: 3.58/4.0(Current)*
Charotar University of Science and Technology,Anand	**July 2020 – May 2023**
Bachelor of Science in Information Technology	*CGPA: 9.91/10.0*
GNFC Narmada Vidyalaya,Bharuch	**May 2020**
Class XII	*Percentage:62.15*
Sabari Vidya Peedom,Bharuch	**May 2018**
Class X	*Percentage:87.83*

Experience

Undergraduate Research Fellow — **November 2021 – June 2022**
Charotar University of Science and Technology — *Anand, Gujarat*

- Developed an IoT-based saline control system to enable doctors and nurses to monitor the patient's saline flow remotely.
- Explored ways to reduce the need of physical presence of the hospital staff and provide real-time status updates for each patient in the hospital.

Projects

ExplainAI | *Python, Streamlit,Deta Space* | GitHub

- Developed a web application to quickly summarize large blocks of text and videos/podcasts.
- It also allows the user to summarize the text from web links as well as from locally uploaded PDF files.
- Used the Open AI API and Deepgram API for summarizing/transcribing the text and the Courier Email API to send emails to users to reset their password.

Rural Karnataka Schools Dropout Analysis |*R* | GitHub

- Performed an extensive analysis of dropout rate in rural secondary schools of Karnataka using statistical techniques and machine learning algorithms.
- Involved identifying key factors related to the school infrastructure affecting the dropout rate ,predicting the future dropout rate and suggesting policy measures to reduce them.

GeoConnect | *MongoDB,Express.js,React,Node.js* | GitHub

- Developed a web application enabling users to mark their places of interest or visited locations on the world map.
- Stored/Fetched the data of the users using the MongoDB Atlas platform.

Technical Skills

Languages: Python,R,SQL, JavaScript,HTML/CSS
Technologies/Frameworks: React, Node.js,MongoDB
Developer Tools: Git, GitHub,VS Code,R Studio, Quarto
Libraries: tidyverse,pandas,dplyr,ggplot2,plotly, scikit-learn, streamlit,matplotlib

Relevant Coursework

- **Master of Science**:Quantitative Data Analysis for Public Policy,Human Computer Interaction,Techno-Economics of Networks,ICT Policy and Regulation,Application Development for a Connected Society
- **Bachelor of Science**:Data Structures and Algorithms,Fundamentals of Computer Networks,Database Fundamentals,Advanced Database Systems,System Analysis and Design

Achievements/Awards

- Amongst the top 4 students out of over 130 students to get selected for the Undergraduate Student Fellowship(2020) at CHARUSAT University.
- Recieved the Top QA Contributor Award from Mattermost for Hacktoberfest 2022.
- Reached the West Zone Finals of National Inter-college Crossword Expedition 2023.