

K.R MAHADEVAN

International Institute of Information Technology, Bangalore

☎ +91-9016157638 ✉ kr.mahaadevan@iiitb.ac.in [linkedin.com/in/krmh04](https://www.linkedin.com/in/krmh04) github.com/krmh04 🏠 krmh04.github.io

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

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 strategies to minimize the requirement for on-site presence of hospital personnel and implemented real-time status updates for individual patients within the healthcare facility.

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 a Fixed effects model to control for time-invariant factors.
- 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.
- Implemented CRUD operations for managing user data using MongoDB Atlas with UI elements.

Technical Skills

Languages: Python, R, SQL, JavaScript, HTML/CSS

Technologies/Frameworks: React, Node.js, MongoDB, Tailwind CSS

Developer Tools: Git, GitHub, VS Code, R Studio, Tableau, Quarto, Jupyter Notebook

Libraries: tidyverse, dplyr, car, plm, ggplot2, plotly, shiny, pandas, numpy, sklearn, streamlit, matplotlib, seaborn

Achievements/Awards

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

Extracurricular

Brand Bengaluru

July 2023 – October 2023

Volunteer

IIT Bangalore

- Contributed as a volunteer member, alongside three peers under the guidance of Prof. TK Srikanth, for the Tech Bengaluru Survey under the Brand Bengaluru initiative by the Govt. of Karnataka.
- Conducted qualitative analysis of survey responses and contributed to the development of a comprehensive recommendation report aimed at leveraging technology for improved efficiency and service delivery in the city.