K.R MAHAADEVAN

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Education

International Institute of Information Technology,Bangalore	**July 2023 – Present**
Master of Science in Digital Society	*CGPA: 3.57/4.0(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

UX Research Intern   **January 2024 – April 2024**
Samsung R&D Institute India   *Bangalore, Karnataka*
- Led quantitative and qualitative research to understand user needs and pain points in file sharing through their devices.Spearheaded data analysis efforts to identify trends and patterns in user behaviour.
- Communicated findings and recommendations to the design team for improvement in the file sharing experiences.

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

Rural Karnataka Schools Dropout Analysis | *R* | [GitHub]
- Performed an extensive statistical analysis of dropout rate in rural secondary schools of Karnataka over a 5 year period,achieving a within-R^2 of **0.384** using a Fixed effects model to control for time-invariant factors.
- Involved identifying **3** key factors related to the school infrastructure affecting the dropout rate ,predicting the future dropout rate and suggesting policy measures to reduce them.

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.

WasteNot | *Figma, User Research* | [Blog]
- Undertook extensive user research by interviewing and gathering insights from **17** stakeholders, including consumers, recyclers,and NGOs to understand e-waste management in Electronic City,Bangalore.
- Designed an intuitive and user-friendly UI to seamlessly connect consumers and formal recyclers for responsible e-waste disposal in the city.

Technical Skills

Languages: Python, R, C++,SQL, JavaScript, HTML/CSS
Libraries and Frameworks: Node.js, tailwind-css,bootstrap, tidyverse, dplyr, car, plm, ggplot2 , plotly , shiny, pandas , numpy, sklearn, streamlit ,matplotlib,seaborn
Developer Tools: Git, GitHub, VS Code, R Studio, Tableau, Figma, Jupyter Notebook, Quarto,Deta Space

Achievements/Awards

- Amongst the top **4** students out of over 130 students to get selected for the Undergraduate Student Fellowship 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.

Extracurricular

Brand Bengaluru   **July 2023 – October 2023**
Volunteer   *IIIT Bangalore*
- Volunteered for Tech Bengaluru Survey under Brand Bengaluru initiative of the Karnataka Government by analysing survey responses and contributed to recommendation report on leveraging technology for city services.