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 — **February 2024 – May 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

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.

Spectrum Auction Price Analysis | *Python, Microsoft Excel,R* | GitHub
- Compiled and processed spectrum auction data from various governmental telecom agencies, implementing robust data cleaning techniques to ensure accurate analysis.
- Performed panel regression analysis to assess factors influencing spectrum auction prices ,leveraging its ability to account for both temporal and regional variations and providing actionable insights that contributed to **3** published news articles.

Understanding University Students' Perceptions of AI Tools | *Survey Design, User Research* | Blog
- Conducted extensive qualitative research by interviewing **20** university students to explore their perceptions of LLM-based tools, analyzing their impact on accessibility, efficiency, and educational integrity.
- Provided insights to guide responsible AI integration in education, emphasizing ethical use, data privacy, and AI's role in supporting critical thinking and skill development.

Technical Skills

UX Research: Survey Design,Persona Development,User Interviews,Usability Testing,Expert Interviews ,Competitive Analysis,Heuristic Evaluation ,Contextual Inquiry, Machine Learning Methods, Statistical Analysis
Languages: Python, R,SQL, JavaScript, HTML/CSS
Developer Tools: Git, GitHub, VS Code, R Studio, Tableau, Figma, Jupyter Notebook, Quarto, Balsamiq, Google Workspace,Microsoft Office

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 and 2024.

Extracurricular

Brand Bengaluru — **July 2023 – October 2023**
Volunteer — *IIIT Bangalore*
- Volunteered for the 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.