K.R MAHAADEVAN

International Institute of Information Technology, Bangalore

📞 +91-9016157638 ✉️ kr.mahaadevan@iiitb.ac.in in 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: 3.67/4.0(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

Business Analyst Intern — **January 2025 – Present**
Center for Smart Governance — *Bangalore, Karnataka*
- Developing an interactive Streamlit dashboard for the Kaveri Services Portal to rank Sub-Registrar Offices at district and state levels, enabling data-driven insights to enhance operational efficiency.
- Analyzing large datasets to extract insights, ensuring data accuracy and create actionable visualizations for performance evaluation.

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.

Projects

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.

HastyBuzz | *Figma, User Research* | Blog
- Conducted comprehensive primary and secondary research to identify key challenges faced by retail stores, leading to a customized platform solution for better product visibility and market reach.
- Developed a user-friendly interface to help retail store owners bring their businesses online, enabling easy product listings and streamlining seamless networking within the community.

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.

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

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.