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| RIJUTA DIGHE | |
| CONTACT +1(240)413-7958  [rijutadighe@gmail.com](mailto:rijutadighe@gmail.com)  info@rijutadighe.com  <www.rijutadighe.com> | PROFILE I am a Robotics engineer, with an interest in creating and researching user centered technologies. Taking an inter disciplinary approach, I want to be the artist in engineering.  I want to build technologies that puts people first, those that people will love, those that people will talk about, and those that become a part of their routine! |
| SKILLS  * Prototyping: Storyboards, Wireframes, Sketches, Videography, Arduino, Raspberry pi, SolidWorks. * Design research methods: Contextual Inquiry, Interviews & Focus groups, Observations, Wizard of oz, Diary studies, Usability testing, Affinity diagramming, Personas * Interface design: Adobe XD, Photoshop, Illustrator * Other: Adobe Premier rush | EXPERIENCEWork Experience  * Teaching assistant for Human-Robot Interaction (ENPM645) course * Student assistant in mechanical department  Projects [IQ SOLUTIONS](https://www.rijutadighe.com/page1/IQ-SOLUTIONS) (Rockville, MD) October 2019- December 2019   * Got CITI Certification for conducting research with human subjects * Conducted Contextual Interviews with managers and employees at IQ Solutions. * Prepared experience models – affinity diagram, relationship model and collaboration model based on contextual data. * Presented design ideas for a new system and a better UX for the employees in an immersive wall walk at the office.   [UX GUIDELINES FOR HRI](https://www.rijutadighe.com/page3/UX-HRI) August 2019- December 2019   * Completed literature review on application of UX research methods to Robotics, product design principles, and cultural studies * Established intersections of user experience design, product design, Human Robot Interaction and Human Computer Interaction into Robotics * Applied principles from Trompenaar’s model to develop guidelines for successfully deploying Robotics products.   [HUMAN COMPUTER INTERACTION](https://www.rijutadighe.com/page2/ORIGAMI-AR) August 2019- December 2019   * Conducted formative user inquiries – surveys, interviews and contextual interviews with Origami artists based on initial pitch. * Analyzed the user data and made sketches and paper prototypes for testing. * Tested cardboard mockups and improved them for a final design, based on user interviews * Prepared a mid-fidelity prototype on Adobe XD and high fidelity prototype using Android Studio. * Documented the process using a video made in Adobe premiere rush.   OTHER PROJECTS   * Kinematics, Dynamics and Path Planning for an Ornithopter * Technical Report on “A Comparative Study of UAV 3D Path Planning Algorithms” * Preparing a development plan for an EEG Controlled Lower Body Robotic Exoskeleton   Achievements   * Won 2nd prize in “Adobe XD Creative Jam” organized by Adobe and IBM in University of Maryland * One of the top 10 finalists in “Adobe Premier Rush Creative Jam” organized by Adobe and Disney. * Won “Best Web Page” award at Technica 2019, the largest all women and non-binary hackathon. |
| EDUCATIONUniversity of Maryland, College Park, MD 2018-2020  Masters in Robotics (GPA: 3.61/4.0) Visveswaraya Technological University 2014-2018  Bachelor of Engineering in Automation & Robotics (GPA: 7.7/10) |