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| RIJUTA DIGHE |
| CONTACT+1(240)413-7958rijutadighe@gmail.cominfo@rijutadighe.com<www.rijutadighe.com>  | PROFILEI 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.
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| EDUCATIONUniversity of Maryland, College Park, MD2018-2020Masters in Robotics (GPA: 3.61/4.0)Visveswaraya Technological University2014-2018Bachelor of Engineering in Automation & Robotics (GPA: 7.7/10)  |