**ABHISHEK SUHAS MHATRE**

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| OBJECTIVE |

I am looking for a summer internship or a Co-op opportunity in area of Human Computer Interface department in Information Science Technology and Engineering. I am willing to work as a UX/UI designer as well as a software developer.

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| EDUCATION |

**Rochester Institute of Technology**

***M.S. Electrical and Human Computer Interface Engineering*** *expected December 2016.*

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| COMPUTER SKILLS |

Courses: Principles of Robotics, Modern Optics for Engineers, Research Methods, Foundations of Human Computer Interaction, Information and Interaction Design, research methods. In all 8 projects completed with good efficiency.

**Programming languages:** beginners JAVA, learning HTML, CSS, JavaScript, basic Python.

**Hardware Description Languages:** VHDL and Verilog.

**Microcontrollers and Microprocessors:** 8051,8052, 8085,8086, AT89c2051, AT89c52, ARM, PIC.

**Packages:** Proteus, EAGLE v5, keil IDE, Microwind, ExpressPCB, PCB wizard, basics of SIMATIC manager step 7 SIEMENS, basics of iVision MAX L&T, Illustrators, Sketch, Weka.

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| GRADUATE PROJECTS |

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| ***Quadcopter -*** The programing of the PIC was done in its Arduino software.The calibration of the quadcopter was done in Auto Pilot software with the help of reading of the autopilot the balancing issues were solved. SONAR sensors were fixed on the robot, the calibration of sensors was also done in Auto Pilot and the programing was done in MATLAB. | ***Slackless App Prototype -*** Built a prototype app, combination of pomodoro app and classroom app.It can set study time, break time. Gives updates about upcoming deadlines, reminders, and events can be managed.InVision software was used to connect all the designs made in Adobe CC.<https://avsiid.wordpress.com/hi-fi-prototype/> |

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| EXPERIENCE |

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| **Rochester Institute of Technology**  ***Teaching Assistant,*** *August 2016*  *JAVA – undergraduate level.* | **Rochester Institute of Technology**  ***Research Assistant,*** *January 2016*  *Dr. Prof. Matt Huenerfauth.*  *Projects on eye tracking systems, ASL conversions.* | **Omtech enterprises and Omtech India Pvt. Ltd.** Mumbai, India  ***Job as Junior Engineer,*** *June 1St 2013 – July 30th 2014*  Worked on projects involving wireless communication assembly and quality control. Designing the wireless device from a client company named ROAMBEE in Santa Clara, U.S.A. Worked on PLC, SCADA and HMI machines programing. Worked in robotics division in quality control department. | **Air India,** Mumbai, India  ***Internship***, *June 15th 2012 - July 14th 2012*  Worked on plane parts such as Boeing B747-400, B777-200LR, B777-300ER, B737-800 and A310- 300. Worked in accessories department in Avionics department, over cable components, power sources, etc. |

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| ACCOMPLISHMENTS |

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| Participated in robo hurdles, robo football, robo lap, robo war, robo maze, robo wrestling and won 13 prizes in 1st 2nd & 3rdplaces in different events in college such as tech’11 Zephyr at Lokmanya Tilak College of Engineering, monster arena in Technovanza’12 at V.J.T.I., placed 3rd in robo soccer in Infinity’12 at Saraswati Education Society, 1st in Infiniti’12 at Bharti Vidyapeeth College of Engineering, 2nd in robo hurdles and robo soccer in Technitude’12 at Data Meghe College of Engineering, 2nd in takeshi challenge (robo hurdles) at Vidyalankar Institute of Technology, participated in Technovanza’13 at V.J.T.I. |

LinkedIn: <https://www.linkedin.com/profile/edit?trk=nav_responsive_sub_nav_edit_profile>