

AMARDEEP SIDHU

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EDUCATION

Massachusetts Institute of Technology <i>School of Engineering & Sloan School of Management</i> M.S., System Design and Management	Cambridge, MA Fall 2016 - Current
Purdue University <i>School of Engineering</i> M. S., Mechanical Engineering (Mechatronics)	Indianapolis, IN July 2011 – Dec 2013
Pune University Post Graduate Certification CAD CAM & CAE	Pune, INDIA Oct 2008– July 2009
Pune University <i>AISSMS College of Engineering</i> B. S., Mechanical Engineering	Pune, INDIA July 2004– July 2007

RELEVANTSKILLS

Software: SolidWorks, Simulink, LabVIEW, Python, ANSYS, PTC Creo, SysML, Vensim, JMP Pro

Courses: Project Management, System Architecture, Systems Engineering, Data Mining, Product Design and Development

EXPERIENCE

APTIMA INC. <i>Capability Management Extern</i> <ul style="list-style-type: none">• Gained gain better understanding of project management, business development, research, and division leadership• Leveraged data mining to analyze and provide feedback on real world multi-class classification opportunity	Woburn, MA Jan 2017-Jan 2017
SERVO TECH INC. ON-SITE AT CATERPILLAR INC. <i>Test Engineer</i> <ul style="list-style-type: none">• Supported system level machine software testing with focus on powertrain, implements, engine, display, and telematics subsystems• Developed plant and I/O models to support real time testing of Electronic Control Modules (ECMs)• Designed, developed, and maintained machine software test procedures for existing and future requirements• Developed expertise in vehicle communication system – Controller Area Network (CAN) - J1939 data transfer protocols and Caterpillar proprietary Cat Data Link	Peoria, IL Dec 2013-July 2016
SORTIMAT TECHNOLOGIES INDIA LTD. <i>Assembly Engineer</i> <ul style="list-style-type: none">• Led a team of 9 for engineering, assembly and installation of industrial automation machinery• Conducted feasibility analysis of machinery specifications and assisted sales team in setting client expectations• Leveraged and enhanced industry standard German designs for developing assembly line feeding solutions, oversaw manufacturing of individual parts, assembled, installed and troubleshot machinery• Delivered high quality solutions for over 7 major machine orders along with multiple minor products to the diverse clients in FMCG, automotive, and medical industry	Pune, INDIA July 2010 – June 2011
REL-METH ENGINEERS & CONSULTANTS <i>Design Engineer</i> <ul style="list-style-type: none">• Designing, component sizing and assembly of industrial automation machinery based on customer requirements• Sourced standard parts and raw materials to ensure cost effective design, manufacturing, and assembly• Leveraged in house expertise to design and support custom linkages and actuators• Supported 4 tailor made machines from design to installation and operator training for a major international consumer product manufacturer	Pune, INDIA Aug 2009 – June 2010
CADBURY INDIA LTD <i>Trainee Engineer - Plant Maintenance</i> <ul style="list-style-type: none">• Scheduled preventive maintenance and promptly addressed and resolved machine breakdowns• Implemented safety measures including machine guards, lock and tag to enforce accident prevention• Applied lean methodology for eliminating resource wastage and continuous improvement in the factory• Participated in major production enhancement initiatives by setting up cutting edge machinery in the factory	Pune, INDIA Aug 2007 – Sep 2008

PUBLICATIONS

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- 5 first author, 1 poster