Saikath Bhattacharya

Graduate Research Assistant

Meticulous researcher adept in reliability and data analysis. Acknowledged for academic achievement in system engineering. Eager to apply five years of system engineering and applied machine learning research experience.

Contact		Work History		
Address New Bedford, MA, 02740		2016-12 - Current	Graduate Research Assistant	
Phone (508)-542-3525			 University of Massachusetts, North Dartmouth, MA Worked on the effects of subsystem reliability investment on lifecycle operational and support cost. 	
E-mail sbhattacharya@umassd.edu			 Developed new cost-based metrics and framework to assess Li-ion battery prognostics. Researched measures and technologies for drone cybersecurity to assist Massachusetts Department of Transportation. Received two student best paper awards. Supervised undergraduate and graduate students working on projects. 	
WWW https://sasdlc.org/lab/assets/html/saikath.html				
Skills				
Product reliability	••••	2014-09 - 2016-12	Graduate Teaching Assistant	
Lean principles	Excellent Excellent		 University of Massachusetts, North Dartmouth, MA Mentored students through office hours and one-on-one meetings. Checked assignments, proctored tests, and provided grades according to university standards. 	
Failure mode and effect analysis	Excellent			
Root cause analysis	Excellent	2011-08 - 2014-07	Lecturer, Electronics Engineering	
Machine learning	••••• Very Good		 Kalinga Institute of Industrial Technology, Bhubaneswar, India Developed semester outlines and instructional plans for each class session to comply with stated course objectives. Instructed students using lectures, discussions and demonstrations in wireless communication and optical communication. 	
Data mining	Very Good			
Statistical analysis	Excellent	Ed	Education	
Software		2014-08 - Current	Ph.D.: Computer Engineering	
C/C++ MATLAB	••••	Current	 University of Massachusetts - Dartmouth - North Dartmouth, MA GPA 3.67/4.00 Specialization in Reliability Engineering 	
Python	••••	2009-08 - 2011-05 2005-08 - 2009-05	Master of Science: Communication System Engineering	
Mathematica R	••••		 Kalinga Institute of Industrial Technology - Bhubaneswar, India GPA 9.37/10.00 Graduated in Top 5% of Class 	
			Bachelor of Engineering: Electronics and Telecommunication	
			RTM Nagpur University - Gondia, India • Graduated with 68.7/100 GPA	

Certifications

2020-05 <u>Lean Six Sigma Green Belt</u>: Institute of Industrial and Systems Engineers