

# 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
<b>Address</b> New Bedford, MA, 02740	<b>2016-12 - Current</b> <b>Graduate Research Assistant</b> <i>University of Massachusetts, North Dartmouth, MA</i> <ul style="list-style-type: none"><li>Worked on the effects of subsystem reliability investment on lifecycle operational and support cost.</li><li>Developed new cost-based metrics and framework to assess Li-ion battery prognostics.</li><li>Researched measures and technologies for drone cybersecurity to assist Massachusetts Department of Transportation.</li><li>Received two student best paper awards.</li><li>Supervised undergraduate and graduate students working on projects.</li></ul>
<b>Phone</b> (508)-542-3525	
<b>E-mail</b> <a href="mailto:sbhattacharya@umassd.edu">sbhattacharya@umassd.edu</a>	
<b>WWW</b> <a href="https://sasdlc.org/lab/assets/html/saikath.html">https://sasdlc.org/lab/assets/html/saikath.html</a>	
Skills	
Product reliability	●●●●●● Excellent
Lean principles	●●●●●● Excellent
Failure mode and effect analysis	●●●●●● Excellent
Root cause analysis	●●●●●● Excellent
Machine learning	●●●●●○ Very Good
Data mining	●●●●●○ Very Good
Statistical analysis	●●●●●● Excellent
Software	
C/C++	●●●●○○
MATLAB	●●●●●●
Python	●●●●●○
Mathematica	●●●●●●
R	●●●●○○
	Education
	<b>2014-08 - Current</b> <b>Ph.D.: Computer Engineering</b> <i>University of Massachusetts - Dartmouth - North Dartmouth, MA</i> <ul style="list-style-type: none"><li>GPA 3.67/4.00</li><li>Specialization in Reliability Engineering</li></ul>
	<b>2009-08 - 2011-05</b> <b>Master of Science: Communication System Engineering</b> <i>Kalinga Institute of Industrial Technology - Bhubaneswar, India</i> <ul style="list-style-type: none"><li>GPA 9.37/10.00</li><li>Graduated in Top 5% of Class</li></ul>
	<b>2005-08 - 2009-05</b> <b>Bachelor of Engineering: Electronics and Telecommunication</b> <i>RTM Nagpur University - Gondia, India</i> <ul style="list-style-type: none"><li>Graduated with 68.7/100 GPA</li></ul>
	Certifications
	<b>2020-05</b> <a href="#">Lean Six Sigma Green Belt</a> : Institute of Industrial and Systems Engineers