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

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WWW
https://sasdlc.org/lab/assets/html/saikath.html
https://saikath1.github.io/

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	●●●○○

Work History

2016-12 - Current

Graduate Research Assistant

University of Massachusetts, North Dartmouth, MA
- Worked on the effects of subsystem reliability investment on lifecycle operational and support cost.
- 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.
- Published 12 research papers including two student best paper awards.
- Supervised undergraduate and graduate students working on projects.

2014-09 - 2016-12

Graduate Teaching Assistant

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.

2011-08 - 2014-07

Lecturer, Electronics Engineering

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.

Education

2014-08 - Current

Ph.D.: Computer Engineering

University of Massachusetts - Dartmouth - North Dartmouth, MA
- GPA 3.67/4.00
- Specialization in Reliability Engineering

2009-08 - 2011-05

Master of Technology: Communication System Engineering

Kalinga Institute of Industrial Technology - Bhubaneswar, India
- GPA 9.37/10.00
- Graduated in Top 5% of Class

2005-08 - 2009-05

Bachelor of Engineering: Electronics and Telecommunication

RTM Nagpur University - Gondia, India
- Graduated with 68.7/100 GPA

Certifications

2020-05   Lean Six Sigma Green Belt: Institute of Industrial and Systems Engineers