

Suraj Nair

CONTACT INFORMATION	Department of Computer Science University of Maryland College Park, MD 20740	<i>Phone:</i> +1-240-917-7287 <i>E-mail:</i> srnair@cs.umd.edu <i>WWW:</i> cs.umd.edu/~srnair
RESEARCH INTERESTS	Natural Language Processing, Machine Learning	
EDUCATION	University of Maryland , College Park, MD	
	Ph.D., Computer Science	August 2016 - ongoing
	Veermata Jijabai Technological Institute , Mumbai, India	
	Bachelor of Technology in Computer Engineering CGPA : 9.0 / 10	June 2010 - May 2014
PUBLICATIONS	<ul style="list-style-type: none">• Saurabh Daptardar, Vignesh Lakshminarayanan, Sharath Reddy, Suraj Nair, Saswata Sahoo, Purnendu Sinha “Hidden Markov Model based Driving Event Detection and Driver Profiling from Mobile Inertial Sensor Data”, IEEE Sensors 2015 Conference, Busan	
RESEARCH EXPERIENCE	Detecting suicidality from social media text <i>Advisor: Philip Resnik</i> <ul style="list-style-type: none">• Exploring new methods/features for detecting suicidality from social media text. Bike Route Purpose Classification using GPS traces data <i>Advisor: Vanessa Frias-Martinez</i> <ul style="list-style-type: none">• Developed a system to classify the purpose of the bike trip given the GPS data of the route undertaken.• Created a baseline system with spatio-temporal information of the trip.• Added features related to physical and social environment extracted from open-datasets (Parking, Crash, Crime, 311 violations), road network and graph-based features and demographics of the rider.	
WORK EXPERIENCE	Samsung R&D Institute Private Limited , Bengaluru, India <i>Senior Software Engineer</i> July 2014 - April 2016 <ul style="list-style-type: none">• Worked on detection and classification of car driving maneuvers using smartphone sensors in order to profile a driver’s behavior.• Developed a statistical model to detect driving events and further used supervised algorithms to classify them.• Fields involved: Machine Learning, Time Series Data Analysis and Android Development.	
SELECTED COURSEWORK	Graduate: Computational Linguistics I and II, Machine Learning, Statistical Pattern Recognition, Advanced Numerical Optimization, Computational Genomics Undergraduate: Intelligent System and Mining,	

HONORS AND
AWARDS

- Secured 3rd place in the CLPsych 2017 shared task on triaging social media text.
- Receptient of Deans Fellowship, Department of Computer Science, University of Maryland, 2016-2018
- Secured 73th rank in ACM-ICPC Asia Amritapuri Regionals in 2012 amongst 300 teams
- Stood 112th in Engineering Common Entrance Test amongst over 100,000 students

SKILLS

- Programming Languages: Python, C/C++, R, Java
- Human Languages: Malayalam, English, Hindi, Marathi