

# DEEPAK SURESH

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## EDUCATION

IIT Madras	B.Tech, Ocean Engineering	8.23/10	2014
BMV, Alappuzha, Kerala	12th grade	91%	2009
BMV, Alappuzha, Kerala	10th grade	90%	2007

## SKILLS

<b>Data Analytics</b>	<ul style="list-style-type: none"><li>• Predicted house prices using linear regression, tuned hyper-parameters using cross-validation</li><li>• Implemented logistic regression to classify patients vulnerable to coronary heart disease</li><li>• Applied clustering technique(k-means) on images to achieve compression and segmentation</li><li>• Loan default prediction using decision trees, improved accuracy of prediction with boosting</li><li>• Performed sentiment analysis on data harvested from Twitter API</li><li>• Implemented a movie recommender using collaborative filtering with Apache.</li></ul>
<b>Statistics</b>	<ul style="list-style-type: none"><li>• Possess firm background in descriptive and inferential statistics, probability viz. random variables, univariate /multivariate distributions, limit theorems, Markov chains</li><li>• Applied estimation and testing methods(confidence interval and hypothesis tests) to analyse data</li></ul>
<b>Programming</b>	<ul style="list-style-type: none"><li>• Developed a version of Asteroids, an arcade space shooter game, in Python</li></ul>

## POSITIONS OF RESPONSIBILITY

<b>Publicity Coordinator</b> <i>Dhruva, (N.P.O.)</i>	<ul style="list-style-type: none"><li>• A 2 day event comprising lectures and symposiums focussing on life skills for youth</li><li>• Publicized the event by conducting interactive sessions and promotion using social media</li><li>• Achieved a footfall of over 400 students from 6 institutes, though it was a maiden event</li></ul>	2013
<b>Event Coordinator</b> How Structures Fail	<ul style="list-style-type: none"><li>• Organized the quiz event to test students' understanding of concepts in structural integrity through 20 case studies of major structural failures and collapses in history</li><li>• The event, held during Department technical fest, saw 40% more participation than in 2011</li></ul>	2012

## PROFESSIONAL EXPERIENCE

<b>Mazagon Docks Ltd.</b> Naval Architect	<ul style="list-style-type: none"><li>• Constructed 3D model of ship's hull for preparation of production drawings</li><li>• Ensured compliance of structural designs to shipyard and classification standards</li><li>• Coordinated with structural , engineering teams for evaluation of production drawings</li></ul>	2014 - 2016
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## ADDITIONAL INFORMATION

Programming Skills	<ul style="list-style-type: none"><li>• Python, R, JavaScript, CSS, HTML, Octave, C++, Apache Spark</li></ul>	
Competition	<ul style="list-style-type: none"><li>• Ranked 2<sup>nd</sup> in How Structures Fail Quiz out of 70 participants, during department fest</li></ul>	2013
Volunteer	<ul style="list-style-type: none"><li>• Tutored 10<sup>th</sup> grade students in Math at Sevalaya (N.G.O) and Velachery Govt. School</li><li>• Handled transportation logistics for delegates of Saarang (Cultural Festival, IIT Madras)</li></ul>	2010 2011
Sports	<ul style="list-style-type: none"><li>• Member of hostel Hockey team which stood 3<sup>rd</sup> in inter-hostel matches among 7 hostels</li></ul>	2012
INTERESTS:	<ul style="list-style-type: none"><li>• Music</li><li>• Reading</li><li>• Travelling</li></ul>	