



AHERKAR TUSHAR SHIRISH
Course : M.E., Computer Science, 2019
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CGPA : 8.86



ACADEMIC DETAILS					
COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% / CGPA	YEAR
UG	Computer Science & Engineering	PVGs COET, Pune	Savitribai Phule Pune University	75.69	2017
CLASS XII		Fergusson College, Pune	State Board, Maharashtra	83.67	2013
CLASS X		Damani High School	State Board, Maharashtra	99.27	2011
ELECTIVES / TECHNICAL PROFICIENCY					
Subjects / Electives		Cloud Computing, DBMS, Deep Learning, Data Structures			
Technical Proficiency		C++, C Programming, Laravel, PHP development, JavaScript, MySQL, MongoDB			
PROJECTS					
Malware Detection using Deep Neural Networks - Deep Learning			Jan 2018 - May 2018		
<ul style="list-style-type: none">Extracted relevant features from the header of individual portable executable (PE) file with the help of fisher score algorithm.Built an efficient deep neural network model for classifying files into legitimate files or virus files by tuning it well.Achieved accuracy of 98.4% hence outperforms all other traditional machine learning models.					
Technologies Used: Python, Keras Library					
Movie Recommender System using AutoEncoders - Deep Learning			Jan 2018 - May 2018		
<ul style="list-style-type: none">Developed unsupervised learning approach in recommender system which can predict the ratings of unseen movies out of 5 by using AutoEncoders.The implemented model has a test loss of 0.95 which signifies that the system is robust and fast over the state-of-art methods.					
Technologies Used: Python, Keras library.					
Traffic Shaping using Software Defined Networking (SDN) - Advanced Computer Networks			Aug 2017 - Nov 2017		
<ul style="list-style-type: none">Experimented and built various network topologies using mininet emulator to generate traffic and understand its behaviour.Successfully shaped traffic according to network requirements using mainly two methods- manual commands on Open Vswitch and RESTConf API provided by OpenDayLight Controller.Automated process of calling the RESTConf API calls using java program to shape the traffic flow between the hosts as per requirements of network.					
Technologies Used: OpenDaylight Controller, Mininet, Postman, Java					
Web Application of Replica of Eaadhar Card Registration - Full-Stack Web Developement			Jun 2016 - Nov 2016		
<ul style="list-style-type: none">The portal can be used to store and manipulate details of citizens of locality.Data can be showcased using google charts.js such as bar charts, pie charts, etcThe portal facilitates Eaadhar card generation in the form of pdfs.					
Technologies Used: PHP, Mysql, Javascript, HTML, CSS					
COMPETITIONS					
Code to Hunt Competition			Mar, 2017		
Winner among 100 participants at a coding event of 'INNOVATION2K17' organized by MKSS'S Cummins College Of Engg., Pune.					
Algoholics Competition			Mar, 2016		
Secured first position competing amongst 110 participants at a coding event of 'INNOVATION 2K16' organized by MKSS'S Cummins College Of Engg., Pune.					
Blind Coding Competition			Feb, 2016		
Secured First position competing among 80 participants at a coding event of 'ALGORHYTHM 2K16' organised by PVG's COET, Pune.					
POSITION OF RESPONSIBILITY					
CS F363 Teaching Assistant, Compiler Construction - BITS Pilani, Hyderabad Campus			Jan 2018 - May 2018		
Assisted in the invigilation of lab assignments evaluation of third year students.					
CS F301 Teaching Assistant, Principles of Programming Languages - BITS Pilani, Hyderabad Campus			Jul 2017 - Dec 2017		
<ul style="list-style-type: none">Assisted in conducting lab work and in the invigilation of weekly tests & continuous lab assignments evaluation.Reviewed and suggested additional problems for weekly tutorial sheets covering specific topics in the same course.					

EXTRA CURRICULAR ACTIVITIES
<p>Content Creation on YouTube Directed and scripted funny youtube videos and obtained 500K+ views for youtube channel.</p> <p>Playing chess Participated in Maharashtra State Junior U/19, Chess Championship 2010, organized by Nagpur District Chess Association, Nagpur. and Winner of many college level chess events</p> <p>Playing table tennis Winner of many college level table tennis events</p>