

# SHOBHIT MALARYA

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EDUCATIONAL QUALIFICATIONS			
YEAR	Degree/Certificate	Institute/School	CGPA/%
2016-current	B.Tech in Computer Science	Indian Institute of Information Technology, SriCity	6.7/10
2015	Class XII - TSBIE	Sri Chaitanya, Hyderabad	91.8
2013	Class X – CBSE	Ram Shanti Vidhya Mandir, Pandhurna	7.4
SKILLS			
Web development	<ul style="list-style-type: none"><li>• <b>Front end:</b> HTML, CSS, JavaScript (jQuery, AngularJS, Bootstrap, Materialize), AJAX, XML</li><li>• <b>Back end:</b> Django, PHP</li><li>• <b>Database:</b> MySQL, Firebase</li></ul>		
Android app development	Android Studio and Firebase		
Languages/Tools	Python, C, C++, JavaScript, Java, Shell scripting, Adobe illustrator, Adobe XD, MATLAB, GitHub		
Other	Raspberrry Pi, Arduino and respective modules, Web scraping and ML algorithms		
PROJECTS			
<b>AUTO OFFERS</b>			2018
<ul style="list-style-type: none"><li>• An android application which shows offers related to nearby stores (using Wi-Fi) and based on user’s purchase history.</li><li>• Technology Stack - Java(Android Studio) and Firebase</li></ul>			
<b>ONLINE RENTAL STORE</b>			2018
<ul style="list-style-type: none"><li>• A Django based fully responsive website for renting and selling of products.</li><li>• Technology Stack - MySQL, Django, Bootstrap</li></ul>			
<b>DROWSY DRIVER DETECTION SYSTEM</b>			2018
<ul style="list-style-type: none"><li>• A MATLAB based program to detected a drowsy person in real time using a camera (e.g. - webcam).</li><li>• Info - Drowsiness detection is based on Image processing (SVM classifier trained using hundreds of sample images)</li></ul>			
<b>WAREHOUSE SAFETY SYSTEM</b>			2018
<ul style="list-style-type: none"><li>• An IOT project which detects Fire, Smoke/gas leak and Intrusion Using respective sensors and a Pi-cam.</li><li>• Info - Arduino for the Fire and gas leak detection, raspberrry pi for intrusion detection and for sending data to a Firebase database, an android app for notifications and data logs and photo feed of the situation.</li></ul>			
<b>PLANT CARING SYSTEM</b>			2017
<ul style="list-style-type: none"><li>• An IOT project for automatic plant watering based on soil and air humidity.</li><li>• Info - Arduino and raspberrry pi for data collection and sending, Django for the user data log’s website.</li></ul>			
<b>VEHICULAR TRACKING SYSTEM</b>			2017
<ul style="list-style-type: none"><li>• A system which tracks and notify personals on over speeding of a vehicle.</li><li>• Real time tracking of vehicle on google maps and option to notify nearest police station.</li></ul>			
<b>OTHER WORKS:</b>			
2D to 3D human pose (BTP)	-	A system to reconstruct 3D human poses from an 2D image, based on HMR research paper	
Text detect and send	-	A Python and Arduino based system which extracts text from an image (OCR) and can send it to another laptop using RF transmitter and receiver.	
Prison Database Management	-	MySQL and materialize	
HINDI ANALYSER	-	A Lucene (Java) based information retrieval system which works with queries and documents in Hindi	
Distributed Algo	-	Code for simulation of distributed system algorithms	
Lang Quiz	-	A small python-based programming quiz	
COURSEWORK INFORMATION			
Programming and data structure, Theory of Computation, Information Retrieval, Probability, Machine Learning, Operating Systems, Computers and Networking, Embedded and Intelligent System, Communication Systems , Cellular Networks.			
OTHERS			
GitHub	- @shobhitmalarya		
Email	<a href="mailto:Shobhit.m16@iiits.in">Shobhit.m16@iiits.in</a>		

