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	• **Front end:** HTML, CSS(Bootstrap, Materialize, W3), JavaScript (ReactJS, VueJS), AJAX, XML • **Back end:** Django, PHP • **Database**: MySQL, Firebase
App development	Android Studio and Firebase
Languages/Tools	Python, C, C++, JavaScript, Java, Adobe illustrator, Adobe XD, Adobe Dimension, MATLAB, GitHub
Other	Raspberry Pi, Arduino and respective modules, Web scraping and ML algorithms

PROJECTS

AUTO OFFERS   2018

- An android application which shows offers related to nearby stores (using Wi-Fi) and based on user's purchase history.
- Technology Stack - Java(Android Studio) and Firebase

ONLINE RENTAL STORE   2018

- A Django based fully responsive website for renting and selling of products.
- Technology Stack - MySQL, Django, Bootstrap

DROWSY DRIVER DETECTION SYSTEM   2018

- A MATLAB based program to detected a drowsy person in real time using a camera (e.g. - webcam).
- Info - Drowsiness detection is based on Image processing (SVM classifier trained using hundreds of sample images)

WAREHOUSE SAFETY SYSTEM   2018

- An IOT project which detects Fire, Smoke/gas leak and Intrusion Using respective sensors and a Pi-cam.
- Info - Arduino for the Fire and gas leak detection, raspberry 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.

PLANT CARING SYSTEM   2017

- An IOT project for automatic plant watering based on soil and air humidity.
- Info - Arduino and raspberry pi for data collection and sending, Django for the user data log's website.

VEHICULAR TRACKING SYSTEM   2017

- A system which tracks and notify personals on over speeding of a vehicle.
- Real time tracking of vehicle on google maps and option to notify nearest police station.

OTHER WORKS:

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, Deep Learning, Operating Systems, Distributed Computing, Computers and Networking, Embedded and Intelligent System, Communication Systems , Cellular Networks.

OTHERS

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