# SHOBHIT MALARYA

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## Developer | Machine learning engineer | Designer

## EDUCATION

**Bachelor of technology in Computer Science** 2020
Indian Institute of Information Technology Sri City

**XII Standard** 2015
Sri Chaitanya Hyderabad

## SKILLS

- Python, JavaScript, SQL
- HTML, XML
- JavaScript, Angular, jQuery
- CSS, Bootstrap, Materialize
- Git
- Internet of things
- Scikit-learn
- NumPy, Pandas, Matplot-lib
- Django, Firebase, PHP
- Adobe illustrator, After Effects
- Adobe Dimensions, Photoshop
- Adobe XD, Invision studio

## EXPERIENCE

**Software developer Intern** Jan'20-current
**Entrayn Education Technology**

- Under the brand name, Galvanize Test Prep, it delivers learning solutions for Standardized tests and Competitive exams, as well as Global Admissions Counselling.
- Working on logic and implementation of REST APIs.
- Stack - Python (Django, DRF), JavaScript (Angular)

**Software developer Intern** Jun'19-Oct'19
**Apli.ai**

- A skill training and hiring website with separate interfaces for recruiter, campus, student and mentor.
- Designed and Implemented multiple modules from database design to Backend logic to Frontend UI.
- Stack - Firebase (Database), Python (Django), JS (jQuery, Ajax etc), CSS (Bootstrap, Materialize).

## PROJECTS

**2D to 3D human pose reconstruction in the wild (B.tech Project)** 2019

- Objective – Improvement in construction of 3d human pose from 2d images in the wild. (HMR – baseline paper)
- To improve the 3D results, we increased the accuracy of 2D key point prediction.
- A new pipeline to increase the accuracy of human key points.
- Correlation and linear regression for the more accurate prediction of ankle points.

**Boston housing dataset analysis** 2020

- Objective – Prediction of house pricing with Regression analysis.
- Full visualization of important characteristics of data using seaborn.

- Linear regression and Ransac model implementation for prediction of house pricing with number of rooms as input. (Linear relationship)
- Decision forest regressor implementation using feature transformation for prediction of house pricing using lower status of population.
- R2 score of 0.653 and 0.878 respectively.

**Wine dataset analysis** 2020

- Objective – Analysis of dataset using a classifier.
- Logistic regression multi-classifier implementation using dimensionality reduction with PCA.

**Breast cancer Wisconsin analysis** 2020

- Objective – Prediction of malignant or benign tissue.
- Pipeline implementation of Standard Scalar, PCA and logistic regression.
- Model optimization using learning-validation curve, grid search and nested cross validation.
- F1 score of 0.964

**Online Rental Store**

- A Django based fully responsive website for renting and selling of products. 2019
- Separate, secured interfaces for seller and renter.
- Technology Stack - MySQL, Django, Bootstrap.

**Warehouse safety system**

- An IOT project which detects Fire, Smoke/gas leak and Intrusion Using respective sensors and a Pi-cam. 2018
- 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.

**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.

**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.

**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.