# SHOBHIT MALARYA

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Machine learning engineer | Developer | 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, CSS
- Angular, jQuery
- Django, Firebase, PHP

- Scikit-learn, Keras
- NumPy, Pandas, Matplot-lib
- Git
- Adobe illustrator, After Effects, Photoshop, XD

## EXPERIENCE

**Software developer Intern**                    Jan'20-current
**Entrayn Education Technology**
- Under the brand name, Galvanize Test Prep, Entrayn delivers learning solutions for Standardized tests and Competitive exams, as well as Global Admissions Counselling.
- Working on logic and implementation of REST APIs and Webhooks.
- Stack - Python (Django-DRF), PHP, 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 with $R2$ score of 0.653

- Decision forest regressor implementation using feature transformation for prediction of house pricing using lower status of population with R2 score of 0.878

**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 with 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
- Arduino Uno 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.

**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.

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**EXTRA-CURRICULARS**
- Developed a website for TechFesia (Tech fest) in 2019.
- Worked as branding and promotion crew member for TechFesia in 2019.
- Volunteered for a survey in villages about their needs and development in 2019.
- Built a browser based for 24h ACM hackathon in 2016.