

## MY PROJECTS

### Soil Nutrient Detection System Final Year Project

A system that worked on Naive Baye's Classification Algorithm to predict the soil fertility by identify common patterns in data of soil. Useful for farmers.

### Image Classifier Using Convolutional Neural Network

A system that used Tensor Flow's Machine learning library to classify images of dogs .  
The accuracy of the system is 98%.

## AWARDS & ACHIEVEMENTS

### TCS BEST PROJECT AWARD

For project Soil Nutrient detection System

### IEEE XPLOER- RESEARCH PUBLICATION

The research paper titled 'Application of Colorimetry in determining soil fertility through Naive Bayes Algorithm' is published & demonstrated at 9th ICCNT which held at IISC Bangalore. The paper is based on our final year project.

<https://ieeexplore.ieee.org/document/8494113>

### ON THE SPOT AWARD

For process improvement ,the automation of a daily server health check process in order to automate the alerts while ensuring the notification to the larger audience at once using java secure channel and shell scripting..

## PROFESSIONAL SKILLS

Software: Eclipse ide, Maven, Jenkins, ELK Stack (elasticsearch, logstash, kibana)  
Informatica, Cognos , Android Studio.

Languages: Java, Javascript, SQL, shell scripting.

## ALSO FIND ME AT:

<https://www.linkedin.com/in/surili-agarwal-1bb460146/>

<https://github.com/surili220>

# SURILI AGARWAL

+91-7720851823 | [agarwalsurili2203@gmail.com](mailto:agarwalsurili2203@gmail.com)

## WORK EXPERIENCE

### Assistant System Engineer

Tata Consultancy Services | June 2018-Jan2020 | experience: 1year 8 months

- Development of Restful web applications using Java, Javascript & Spring MVC frameworks.
- Also worked with Spring JDBC framework for communicating with database pooled by Apache DBCP and backend PL/SQL procedures.
- Hands on experience on Apache TomCat Application Server and build tools Maven/Jenkins
- Working in agile way.

## EDUCATION BACKGROUND

### Government College of Engineering Auranagabad

Bachelor of Engineering in Computer Science, 2014-2018

- Graduated with distinction, with a CGPA of 8.77
- Founding Member, Editor of College magazine Catalyst
- Cultural Secretary of Computer Science Department.

### Deogiri College

12TH HSC FROM MAHARASHTRA STATE BOARD., 2012-2014

- First class distinction, with 86.77%

### Holy Cross English High School

10TH SSC FROM MAHARASHTRA STATE BOARD, 2012

- First class with distinction, with 91.09%

