# Saumya BORWANKAR
## Electronics And Communication | Data Science Enthusiast

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Pre-final Undergrad currently tinkering with Ansible and Dockers and interested in Machine Learning and cybersecurity.

## 🎓 EDUCATION

| | |
|---|---|
| 2017 - Present | **Electronics and Communication**, Nirma University, Ahmedabad<br>CGPA :**7.9**/10 |
| 2019 - Present | **Minors in Computer Science**, Nirma University, Ahmedabad<br>CGPA :**8**/10 |
| 2015-2017 | **Baroda High School**, Vadodara.<br>Higher secondary percentage :**79** |

## 💻 PROJECTS

**AUDIO CLONING**                                                                                            JAN 2020 - PRESENT

  github.com/

Implementation of a system that can produce similar voice as humans is being designed with the help of **Generative Adversarial Networks**.

`Python` `Google Colab`

**AN AUTOMATED VOICE CONTROLLED MENU**                                                         DEC 2019 - JAN 2020

  github.com/saumyaborwankar/linux-based-project.git

Made a menu that can set up **docker**, **web-server**, **hadoop (computing cluster or computing cluster)**, run any Linux command with voice recognition with face recognition as security. Integration and automation was done with **Ansible Playbooks** and a **Systemctl enabled Docker** was designed using a Dockerfile and launched through the menu.

`Python` `Ansible` `Docker` `AWS` `Shell Scripting`

**SPEAKER VERIFICATION**                                                                                  JUNE 2019 - DEC 2019

  github.com/saumyaborwankar/Speaker-Verification-System.git

Implemented a text independent speaker verification system with the help of packages like **Bob spear** and trained the data with the help of **Artificial Neural Networks**. Increased accuracy was achieved in more classification classes with the help of **Convolutional Neural Networks**

`Python` `Flask` `Google Colab`

**AUTOMATIC IRRIGATION SYSTEM**                                                                      JAN 2018 - JULY 2018

  github.com/saumyaborwankar/Automatic-Irrigation-System-with-Fertility-indicator.git

Implemented a smart system on **Arduino Uno** which can sense the fertility of the soil and soil contents to check the purity of the soil and would help farmers understand the contents of the soil.

`Arduino`

**PING PONG GAME**                                                                                          DEC 2017 - JAN 2018

  github.com/saumyaborwankar/ping-pong-game-in-python.git

Interactive game implemented on **simple gui** package of python where user can score a gold against another user.

`Python`

## ☰ SKILLS

| | |
|---|---|
| Programming | **Python** , **C/C++**, Javascript , Go , HTML5 , PHP. |
| Frameworks | Flask, **Hadoop** |
| Databases | MySQL. |
| Development Tools | Anaconda, Visual Studio Code, git, **Ansible**, **Docker** |
| Operating Systems | Windows Server, Windows , **Linux** , Android. |

## 💼 Experience and Volunteering

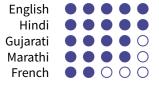| | |
|---|---|
| Dec 2019<br>Present | **Research Intern, LINUX WORLD INFORMATICS, Jaipur**<br>› Designed a project named "An automated voice controlled menu" for RHEL clients<br>› Worked with **Hadoop**, **Ansible**, **Docker**, **Cloud Computing**.<br>› Deployed Ansible Playbooks and Designed custom docker containers with Dockerfiles.<br><br>`Python` `Hadoop` `Docker` `Ansible` `Shell Scripting` `AWS` |
| May 2019-<br>June 2019 | **Graphic designer, INFOSEAS, Vadodara**<br>› Concepts of **graphics** designing<br>› Designed graphics for T-shirts, Mug and sweatshirts<br>› Handled **web pages** for the company<br><br>`CorelDRAW` `HTML` `CSS` `Java Script` |
| July 2018<br>August 2018 | **Social Worker, HIRAMANI OLD AGE HOME, Ahmedabad**<br>I helped old age people with their regular tasks and created a nice environment for them by making them feel more comfortable and thanked them for all the wisdom they shared with us. |

## </> Languages

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|---|---|
| English | ●●●●● |
| Hindi | ●●●●● |
| Gujarati | ●●●●○ |
| Marathi | ●●●●○ |
| French | ●●○○○ |

## ➕ Blogs

› Blochchain for Noobs (github)

## 🎓 Certifications/Courses

| | |
|---|---|
| Jan 2020 | **Red Hat Certified System Administrator** on RHELv8 offered by Red Hat |
| Oct 2019 -<br>present | **Data Scientist with python** track on Data Camp |
| Sept 2019 | **Python for Data Science and AI** course on Coursera taught by Joseph Santarcangelo and offered by IBM |
| July 2019 | **Deep Learning specialization** course on coursera taught by Andrew Ng. and offered by deeplearning.ai |
| July 2019 | **Introduction to Blockchain Tenchologies** on coursera offered by INSEAD |
| May 2019 | **Machine Learning** course on coursera taught by Andrew Ng. and offered by Standford university. |
| Jan 2018 | **CS50** course on edx offered by Harvard University |