

# Sahil

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## EXPERIENCE

### Trainee Developer

October 2021 – May 2022

*Algotrak Pvt Ltd*

*Chennai, India*

- Training Image processing Models and Apply Data Pre-processing using python libraries like pandas, Numpy, regex.
- Worked with tools like RPA, Google Cloud, IQBot.
- Explored ways to read real world form data and provide them in digital form with high accuracy.

## PROJECTS

### RESEARCH BASED |

**Adverse Effects of Alcohol** | *Python, Flask, SKLearn, Pandas, Numpy, Plotly, Git*

May 2022 – Present

- Project was worked on with collaboration of Old Dominion University, USA.
- Producing tangible research metrial on Alcohol cumsumption.
- Using Machine Learning Regression to pridict Cardio Vascular Disorders.
- Algorithms for Cluster and Classification are used to categorize different group of patients.
- Plotly API with a web Application is used to serve the data and functionality to general public.

### PRODUCT BASED |

**Auto Class** | *Python, Selenium, Git*

April 2021 – May 2021

- Developed a bot to act as a proxy and attend online classes during covid.
- Selenium was used to mimic user action and login to classes.
- Application was used by many of my friends and classmates.

**Elon Effect** | *Python, Selenium, Machine Learning, Git*

September 2021 – October 2021

- Developed a Prediction Model to pridict stock prices based on tweets from Elon Musk.
- The project is modular and can be scaled to any numbers of Stocks and twitter accounts or pages.

**Athenaeum** | *Python, Flask, Firebase, Machine Learning, HTML, CSS, JS, Git*

November 2020 – January 2021

- Application to Provide an Eco-system for online Education.
- Developed a full-stack web application using with Flask serving a REST API with Firebase as Database.
- Implemented Firebase Authentication to log and maintain users.
- Used Machine Learning to evaluate Response Quality.

**Warehouse Manager** | *Python, Flask, MySQL, Git*

November 2021 – January 2022

- Developed a Inventory Management Web Application made with Flask and MySQL.
- Application can be used in multi warehouse companies.

## EDUCATION

**Acharya Institute of Technology**

Bangalore, India

*Bachelor of Engineering in Computer Science*

*August. 2019 – Present*

**The Air Force School**

New Delhi, India

*Matriculate and Intermediate*

*April. 2011 – March 2018*

## AWARDS

**Winner of Lakshay Forum Activity**

2022

- Develop a web site with HTML, CSS, JS and also 3D elements with Three JS.

**Finalists of the Innovative Futuristic Product Prototype Challenge**

2020

- Application to Provide an Eco-system for online Education
- Developed a full-stack web application using with Flask serving a REST API with Firebase as Database
- Implemented Firebase Authentication to log and maintain users
- Used Machine Learning to evaluate Response Quality

**Winner of Automation Interbranch**

2019

- Develop an easy to use and affordable Home automation appliance.
- Used resources like Arduino UNO, with Relay module to achieve the result.

## TECHNICAL SKILLS

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**Languages:** C/C++, Python, SQL (MySQL), JavaScript, HTML/CSS

**Frameworks:** Selenium, Flask

**Cloud Platform:** AWS

**Developer Tools:** Git, Docker, VS Code, Visual Studio

**Libraries:** TensorFlow, MediaPipe, SK-Learn, NLTK, pandas, NumPy, Seaborn

**Creative Tools:** Adobe Photoshop, Illustrator, Blender, Spline