

# SAHIL KUMARWAR

C-202 Grand Residency, Kurla, Mumbai

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## Education

### Veermata Jijabai Technological Institute (VJTI)

CGPA: 7.79

B.Tech in Electronics Engineering

2020-2024

### Dr. Ambedkar College

Percentage: 80

Board of Secondary Education, Maharashtra

2019-2020

## Experience

### MahagenCo

June 2023 – July 2023

Summer Intern

Chandrapur, Maharashtra

- **Energy Management System:** Executed a project focused on optimizing energy efficiency, involving data capturing from a number of energy meters, meticulous data storage, in-depth analysis, and generating insightful reports to minimize auxiliary power consumption, contributing to reduced energy wastage and increased overall efficiency.
- **1 Month Industrial Training:** Completed an intensive one-month training program on electricity generation and power plant operations at CSTPS, Chandrapur, acquiring a comprehensive knowledge of power generation processes and plant functioning.

### Bolt IoT

Remote

Front End Developer Intern

August 22 - October 22

- **Inventrom website** Designed and developed the official website for Inventrom.com using HTML, CSS, and JavaScript. Created a visually appealing and user-friendly interface with responsive design.
- **Photo Gallery** Created an interactive Photo Gallery web app using HTML, CSS, JavaScript, and Bootstrap. Implemented user-friendly interface, dynamic functionality, and responsive design

## Projects

### Emotion Detection Using Machine Learning | Python, Tensorflow,keras,CNN

Aug 2023

- Built and deployed a facial expression recognition model using TensorFlow, Keras, and CNN. Applied image processing techniques and utilized Matplotlib for data visualization.

### Diabetes Prediction System | Python, SVM

April 2023

- Developed a predictive model for diabetes using Python and Support Vector Machines (SVM). Utilized machine learning algorithms to analyze medical data and predict the likelihood of diabetes onset.

### SuperStore Sales Analysis | Python, Power BI

June 2023

- Developed comprehensive SuperStore Sales Analysis through data exploration, employing Python for in-depth insights and creating a visually captivating Dashboard on Microsoft Power Bi for effective data representation.

### Dual Axis Solar Tracker | Arduino, LDR Module, Verilog

May 2023

- Designed and built a dual-axis solar tracker using Arduino and LDR sensors to ensure optimal positioning of solar panels to maximize energy generation. Wrote code to control the movement of the tracker based on the readings from the LDRs.

## Technical Skills

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

**Developer Tools:** VS Code, Atom, Codeblocks, Jupyter, Arduino IDE

**Technologies/Frameworks:** React, Express, Bootstrap, GitHub,

**Technical Skills:** Data Analysis, Data Visualization, SQL, Excel, OOPs, Data Structures And Algorithm, PowerBi, Tableau

## Courses And Certifications

- 100 Days of Python Programming
- C++: Beginner to Beyond
- Complete Web Developer Bootcamp
- Data Structures And Algorithms in Python
- Data Analysis By IBM
- SQL
- BI Tools
- IoT Master Class

## Extracurricular

- Achieved 1st rank in the Inter-School Chess Competition at DSO Nagpur.
- Achieved A grade in Intermediate Drawing Examination.
- Achieved 2nd rank in Gamer's Enclave organised by Technovanza, VJTI.