Sahil Kumarwar

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B.Tech
Electronics Engineering
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EDUCATION

- **Veermata Jijabai Technological Institute (VJTI)**   *2020-2024*
  B.Tech Electronics Engineering   CGPA/Percentage: 7.65

- **Dr. Ambedkar College**   *2019-2020*
  Board of Secondary Education, Maharashtra   CGPA/Percentage: 80

EXPERIENCE

- **Mahagenco**   *June 2023-Present*
  Summer Intern   CSTPS, Chandrapur

  - **Energy Management Systems** 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 Vocational 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**   *August 22 - October 22*
  Web Developer Intern   Remote

  - **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

- **Drum Kit**: Designed a dynamic website using HTML, CSS, and JavaScript, incorporating key event listeners for keystrokes and CSS animations to create a virtual drum kit.

- **Simon Game**: Developed an engaging game using HTML, CSS, JavaScript, jQuery, and Bootstrap-5. Implemented interactive features and responsive design to enhance user experience.

- **Emotion Detection Using Machine Learning**: 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 using Python and SVM**: 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.

- **Dual Axis Solar Tracker**: 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.

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

SKILLS

- **Languages**: Python, HTML, CSS, Javascript, C++

- **Technologies**/**Frameworks**: BootStrap, jQuery, NodeJs, ExpressJs, EJS, APIs

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

- **Soft Skills**: Responsible, Fast Learner, Positive, Problem-Solving, Time Management.

Courses And Certifications

- **C++ Programming**: C++ from beginner to beyond offered by Udemy

- **Python Programming**: 100 Days of Python offered by Udemy

- **Data Structures and Algorithms**: The Complete DSA Course in Python offered by Udemy

- **Web Development**: Compelete Web Development Bootcamp offered by Udemy

- **Microsoft 365**: Microsoft 365 Fundamentals offered by Microsoft through Coursera

- **SQL**: The Structured Query Language offered by The University of Colorado through Coursera

- **Data Analyst**: IBM Data Analyst offered by IBM through Coursera

- **IoT Master Class** : IoT MasterClass offered by IEEE VJTI, Mumbai

Achievements

− Achieved 1st rank in the Inter-School Chess Competition

− Achieved A grade in Intermediate Drawing Examination

− Achieved 2nd rank in Gamer's Enclave organised by Technovanza,VJTI