SAWAN SHARMA

CONTACT

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sawansharma996@gmail.com

SawanSharma996

Indore, M.P.

SKILLS

Programming Languages: Python, C++, Java , SQL, HTML/CSS, JavaScript, ReactJS.

Miscellaneous : Google Docs , Microsoft Office , Git , Android Studio, XCode , VSCode .

Soft Skills : Time Management , Problem Solving , Documentation .

EDUCATION

B.Tech In Electrical Engineering

Shri Govindram Seksaria Institute Of Technology And Science

2021-25

Kendriya Vidyalaya

High School

• Specialised in Physics, Chemistry, and Maths with Computer Science

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LANGUAGES

English : Professional Proficiency

HIndi : Professional Proficiency

PROFILE

Highly motivated with a strong interest in software development. Eager to leverage problem-solving and communication skills in a fast-paced internship to gain hands-on experience and contribute to innovative tech projects.

PROJECTS

1. CAMERA BASED TACHOMETER

- Implemented a real time tracking system for red spot on fins of rotating blade
- Fitted the recorded coordinates into an ellipse for precise measurement.
- Derived RPM of rotating blades from the calculated angular displacement.
- Contributed to the field of non-contact tachometer with the cost-effective solution.

2. CANCER CELL CLASSIFICATION

- Developed a machine learning model using a convolutional neural network (CNN) to classify different types of cancer cells.
- Trained the model on a diverse dataset of cancer cell images, achieving a classification accuracy of 82.59%.
- Implemented data preprocessing techniques, including image resizing, normalization, and augmentation, to enhance model performance.

3. FAN SPEED CONTROLLER

- Developed a mobile app in Java that controls the speed of a fan through an Arduino using Bluetooth communication.
- Programmed the Arduino using C++ to receive speed commands wirelessly through Bluetooth communication.
- Created a user-friendly interface for controlling the fan speed using a mobile device.
- Utilized the Bluetooth functionality to pair the mobile device with the HC-05 module on the Arduino.

INTERESTS

Cooking : I love cooking. I am an expert in most Indian-style cooking and enjoy baking

Art: Passionate about 3D modeling and animation, exploring the creative potential of bringing virtual worlds to life.

Music : Enjoy exploring different genres and styles, appreciating the diverse range of musical expressions.