

# Roshan Sawlani

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## EDUCATION

<b>Nxtwave Disruptive Technologies</b> Industry Ready Certification in Full-stack Development	Sep '22 – May '23
<b>Government College of Engineering, Jalgaon</b> B Tech (Bachelor of Technology) Instrumentation Engineering (7.11 CGPA)	2016 - 2020
<b>Shankarrao Bande Arts and Science Junior College, Warud</b> Intermediate_MPC (77.54%)	2014 - 2016
<b>New Orange City Convent, Warud</b> Secondary School of Certificate (81.6%)	2013 - 2014

## SKILLS

**Frontend:** HTML, CSS, Bootstrap, JavaScript, React.js

**Backend:** Python, Express, Node.js

**Databases:** SQLite

**Other skills:** C++, Flexbox

## PROJECTS

### Nxt Trendz ( ECommerce Clone - Amazon, Flipkart) ([roshannxtrendz.ccbp.tech](https://roshannxtrendz.ccbp.tech))

Implemented Nxt Trendz application which is a clone for ECommerce applications like Amazon, Flipkart where users can login and can see list of products with search, filters, sort by, etc.

- Implemented Different pages and routes for Login, Products, Product details using React Router components Route, Switch, Link, props, state, lists, event handlers, form inputs.
- Authenticating and authorizing users by taking username, password and doing login POST HTTP API Call and implementing filters by sending them as query parameters to product api calls.
- Persisted user login state by keeping jwt token in local storage, sending it in headers of further api calls to authorize the user.

**Technologies used:** React JS, JS, CSS, Bootstrap, Routing, REST API Calls, Local Storage, JWT Token, Authorization, Authentication

### Emoji Game ([roshanemojigame.ccbp.tech](https://roshanemojigame.ccbp.tech))

Developed responsive Emoji memory game where users can win it by clicking unique emoji each time till all displayed emojis are clicked. All emojis positions will be randomized after each click

- List of Emojis is displayed by using React components, props, lists, conditional rendering, styled using CSS and randomized emojis placed using event listeners by updating react state.
- Updated different game states such as emojis list, winning state and losing state by using game state variable and conditional rendering.

**Technologies used:** React JS, CSS, Bootstrap

### Typing Speed Test ([roshantest.ccbp.tech](https://roshantest.ccbp.tech))

Developed an application which measuring time he took to complete given paragraph

- Maintained timer by using APIs setInterval, clearInterval and Updated timer in the UI dynamically using JavaScript DOM operations for every 1 second.
- Fetched the paragraph from server asynchronously using fetch GET HTTP API call and displayed it on UI by using JavaScript DOM Operations.

- Displayed time that user took in the UI using JavaScript event listeners once user clicked on submit button, Did form validations for incomplete paragraph.

**Technologies used:** HTML, CSS, JS, REST API Calls, Bootstrap

### Smart Agriculture System

For the purpose of increasing the efficiency and productivity of agricultural crops, an IOT based smart agriculture monitoring project using Arduino is proposed.

- The project consists of three sensors for the measurement of various parameters crucial for the crop. These sensors include a temperature sensor (DHT11), a water level sensor, and a soil moisture sensor.
- The project also contains a Bluetooth module, dc motor, relays and a buzzer. There are three sensors present in the circuit which are used for measuring the ambient temperature, water level of the crop and the soil moisture level.
- Based on the monitoring of these sensor values the smart agriculture monitoring system provides air and water to the crop. The data from the sensors is sent to an Arduino controller which stores and processes this data and then sends it to the IOT platform as well as GSM module

**Technologies used:** C/C++

## WORK EXPERIENCE

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**Morganite Crucibles India Limited (Instrumentation Technician)**

**Aug 2021 – Dec 2021**

*Aurangabad, Maharashtra*

Working in the maintenance department, contributed in electrical, mechanical and instrumentation maintenance and also did Calibrations of load cells, dozers and various other instruments.

**Jul 2020 – Aug 2021**

**Dhoot Transmission Private limited (Graduate Engineer Trainee)**

*Aurangabad, Maharashtra*

Working in a production department, contributed well in production of wire cutting and crimping in terms of quantity and quality and handled Automatic Cutting Crimping Machine.

**Solar Secure Solutions (Full Stack Developer Intern)**

**Mar 2023 – May 2023**

Worked as a Full Stack Developer Intern in which I have built an E-Commerce Website (Food Industry Project) in which I developed pages regarding services, products, payment gateways, PayPal configuration using Node JS.

## CERTIFICATES

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### Matlab Onramp

Learned the basics of using MATLAB, including performing calculations with commands, importing data from external sources, and visualizing data using plotting functions.

### PLC and SCADA Course

Learned how to monitor various processes of input devices and how PLC and Scada help to automate various processes in industrial settings.