

# Shlok Zanwar

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[Portfolio Website](#)  
[Github Profile](#)

I am enthusiastic, dedicated and a hardworking person, with a desire to learn and explore the ever-evolving technologies of computer science.

## Experience

### [Integrated active monitoring Pvt Ltd](#)

Jan 2021 - Present

#### Software development Intern

React, Python, PostgreSQL

##### CMS Portal

- CMS is a multi-operator **realtime alert monitoring system** used for E-surveillance of remote locations for safety and security.
- Redesigned and normalized database schemas.
- Designed custom messaging protocol using **Websockets** to handle alerts/events on the frontend in minimal latency.

##### RFID based Inventory management

- Optimized complex **PostgresQL** queries that selected data from about 500,000 rows and **reduced the query response time by more than 120%**.
- Created intuitive dashboards and graphical visualizations that represent **millions of data points** of inventory stock status.

##### Images Dashboard

- Images dashboard is a CCTV image capture and audit platform.
- Responsible for designing the architecture of the frontend code-base that includes setting up of the project and configuring advanced state management using **redux** and routing in **ReactJS**.
- Developed an algorithm to access the metadata of thousands of images in **O(1)** time complexity.
- Development of a Ticket Management module.
- Automation of reports using ExcelJs that **saves 20+** man-hours of manual report creation everyday.

### [Technical Head ML Forum Viit](#)

Aug 2021 - Aug 2022

- Conducted 2 sessions on NLP and Model Deployment which received a **participation of 200+** students.

## Education

### [BTech Computer Science Engineering](#)

Vishwakarma Institute of Information Technology (VIIT)

CGPA - 9.79

06/2019 - 06/2023

## Skills

Data Structures and Algorithms

ReactJS

Web Development

C++

Python

Javascript

Redux

SQL

PostgresQL

Problem Solving

Teamwork

## Key Projects

### [Code Rooms](#)

Sep-2021

- Code Rooms is a **learning management system** where teachers can seamlessly create classrooms, assignments and assess assignments.
- It has advanced features such as **automated test cases**, in-app pdf-viewer all packed together in a user-friendly UI.
- It is **deployed** and is currently being used and loved by teachers and students in my college (**VIIT**).
- Technologies :- ReactJS, FastApi, SQL, Antd, Redux.

### [Dock Forms](#)

June-2020

- A form application for mainly school/college related applications such as conducting tests, surveys etc.
- Contains an innovative feature **Rooms**.
- Rooms can be used to restrict forms to limited users.
- Technologies :- Python, Flask, Javascript, MySQL.

### [Shlok Zanwar Portfolio Website](#)

- This website is for hosting my Portfolio / Blogs / Apps.
- More than a project this web-app is like a playground for me to develop and deploy new technologies / mini-apps.
- Some of the apps deployed are :-
  - **Binary Tree Visualizations** :- These are UI's to visualize the insert, delete and search operations on Binary Search Tree / Heap.
  - **Pastebin** :- A web application that allows users to upload and share text online.
  - **ToDoApp** :- A well designed todo application with features such as drag and drop, task-categorization.