

Pratik Mohanty

Computer Science and Engineering | VIT, India

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Baripada

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pratikmohanty231

Education History



BTech, Computer Science and Engineering
Vellore Institute of Technology, Chennai

2019 - 2023

- Current GPA:8.2/10.0
- Thesis on machine learning and image processing



Higher Secondary, Science
Sai International School, Bhubaneswar

2017-2019

- Graduated with First Class

Experience



Intern at Psiborg Technologies

Feb 2022 - Apr 2022

Technical Skills

- Unity, Visual Studio, Linux, Photoshop, Node Red, MATLAB, Things board, Knime Analytics
- C, C++, C#, Java, Python, HTML

Achievements

- Best IoT Simulation, VIT

Certification

- AWS Certified Cloud Practitioner -2022
- Software Management, NPTEL-2022
- Game Design and Development - 2021
- Complete C# Masterclass - 2019

Extra Curricular

- Content creator, Game Development Club, VIT
- Photography
- Cricket, Inter School Tournament

Projects

Virtual Analysis for Spinal Cord Injury Rehabilitation - Capstone Project - On going

- Aiming to provide patients suffering from SCI with a better and cheaper mode of rehabilitation outcome prediction and tracking.
- Using image processing for tracking individual joint movement position for real-time data generation.
- Analyzing the generated data in various Machine Learning algorithms for better outcomes in categorical order.

Smart Shopping Assistant - 2022

- innovative consumer purchasing product that is designed to help customers fast-track their shopping experience.
- Apriori algorithm and market basket analysis has been used in making of this smart shopping assistant.
- Used a device with an in-built barcode reader to retrieve the complete details and add to the cart by customer. A fully automated web services for the billing and payment for the customers.

Smart Agriculture Hub - 2021

- Developed an IoT similariton to help farmers to keep a track on the automated work and analyzing the environment climate condition.
- Visualized the simulation showing the full functionality of the system using Things Board and MQTT communication protocol
- Monitored and optimized the total power consumption of the system

Blood Report Analyzer - 2021

- Designed a blood report analyzer that will analyze the blood test values of patients. and give them remarks and also show a comparative graph.
- Implemented by using HTML, PHP, JavaScript, Ajax, J-Query and Chart.js.

Clinic Management System - 2019

- Developed a clinic management software for clinic's inventory and patient checkup.
- Created a User friendly UI for Doctor, Clinic Staffs and Patients for appointments, prescription and inventory management..
- Implementation of easier data storage and doctor patient history.

Hobbies

- Outdoor Sports
- Photography
- Traveling