



# Pratik Mohanty

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Tranekærvej 58, st. 43, 8240 Risskov

## Education History

### Aarhus University, Denmark

Master of Science in Computer Science | 2023 -

### Vellore Institute of Technology, Chennai

Bachelors in Technology of Computer Science and Engineering | 2019 - 2023 | CGPA - 8.29/10.0

## Experience

### Psiborg Technologies

Internship | Feb 22 - Apr 22

## Technical Skills

**Programming Languages:** Python, Java, C, CPP, C#, SQL (MySQL), JavaScript, HTML/CSS, PHP, Lua

**Developer Tools:** Git, VS Code, Jupyter Notebooks, Unity

## Relevant Coursework

Machine Learning, Database Management System, Networking and communication, Data Structures and Algorithm, Social and Information Networks, Web Mining, Natural Language Processing, Operating System, Mathematics, Project management, Computer Architecture and Organization, Web Programing

## Achievements & Certificates

AWS Certified Cloud Practitioner - 2022  
Software Management, NPTEL - 2022  
Best IoT Simulation Hack-a-Thon, VIT - 2021  
Game Design and Development - 2021

## Language

English | Hindi | Odia

## Co-Curricular Activities

Volunteer at Studenterhus Aarhus  
Content creator, Game Development Club, VIT  
Photography  
Cricket, Inter School Tournament

## Projects

### Virtual Analysis for Spinal Cord Injury Rehabilitation - 2023

- Aimed to provide patients suffering from SCI with a better and cheaper mode of rehabilitation outcome prediction and tracking.
- Used image processing for tracking individual joint movement position for real-time data generation.
- From analyzed 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 simulation 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..
- Implemented to make easier data storage and doctor patient history.

## Hobbies

Sports  
Photography  
Traveling