

# Pratham Saboo

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## EDUCATION

Course	College / University	Year	CGPA / %
B.Tech (ECE)	Pimpri Chinchwad College of Engineering	2024	7.6
Board (Class XII)	Dayanand Science College	2020	63
Board (Class X)	Podar International School	2018	89

## INTERNSHIP

- **Research Intern | iRobotics | MIDC, Chakan** **1 June, 2023 - 31 July, 2023**
  - The two months internship was based on research of motor drivers.
  - Various motor drivers such as Moteus, ODrive and MIT Mini Cheetah were taken for the reference.
  - CoppeliaSim was used for simulation with programming for STM32-C microcontroller.

## PROJECT

- **Pizza Sales Analysis using MySQL and Power BI**
  - The primary objective was to unravel patterns, trends, and performance metrics within the pizza sales data. The MySQL database was employed to query and manipulate the data effectively to extract valuable insights and key performance indicators (KPIs).
  - Power BI was employed to establish a connection with the MySQL database, facilitating the creation of dynamic and informative dashboard, showcasing a range of charts and graphs that encapsulated crucial information for the client.
- **Machine Learning based Cotton Disease Detection**
  - ML based model to predict cotton disease based on the image dataset. Three algorithms were used in the project: KNN, SVM and Naive Bayes Classifier were used to get the best results among three.
  - The end goal of the project was to implement the model on Flutter for application development and real-time application.
- **Automated Hydroponics Farming**
  - Arduino based project on Automation of Hydroponics Farming. The project was based on Nutrient Film technique. All the modules were integrated with Arduino but was not tested.
  - The end goal of the project was to collect the dataset and compare it with the traditional farming.
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## CERTIFICATIONS

- **Coursera:** Google Data Analytics, Google Cybersecurity
- **MathWorks:** MATLAB Onramp, Simulink Onramp, Machine Learning Onramp
- **Udemy:** AutoCAD Fusion 360, STM32 based microcontroller, Programming in C
- **YouTube:** Code with Harry - Python and Web Development, CampusX - Machine and Deep Learning

## EXTRA-CURRICULAR

- National Level player in Skipping.
- Analyzing world affairs and geopolitics.
- Travel enthusiasts and discovering new places.