MADHURA PARAB

Project Engineer

**SUMMARY**

Experienced Project Engineer specializing in HMI, SCADA, and PLC programming with a proven track record of successfully designing, implementing, and optimizing control systems for industrial processes. I am eager to apply my knowledge and skills in a dynamic and challenging role.

**EDUCATION**

Bachelor's in Mechatronics Engineering - CGPA - 8.87

Mumbai University **2018 - 2022**

Terna Engineering College Nerul, Navi Mumbai

Class XII (Maharashtra State Board)  **2017 - 2018**

Kankavli college, Kankavli Grade : 83.84%

Class X (Maharashtra State Board) **2015 - 2016**

St. Ursula School, Kankavli Grade : 90.80%

**EXPERIENCE**

Project Engineer (December 2022-Present)

Multiway Automation and Controls Pvt. Ltd. Mira Road, Mumbai

* Creating PLC programs using ladder logic, designing and programming HMIs to provide a user-friendly interface for operators.
* Configuring SCADA systems to gather real-time data and provide centralized monitoring and control.
* Testing Control Panels
* Conducting system testing and debugging to ensure proper functionality.
* Providing technical support and troubleshooting assistance during project implementation and commissioning.

# **PROJECT**

MEMS Sensor Based Measuring & Transmitting Vital Body Signs

Final year college project

* \_Written code in embedded C programming language for timers, External Interrupts, Communication protocol firmware
* Adapted memory management of embedded systems
* Interfaced bio-sensors with arduino using signal conditioning.

Email: [parabmadhura29@gmail.com](mailto:parabmadhura29@gmail.com) Phone:- 9136294313 Location:- Dahisar,Mumbai linkedin:com/in/madhuraparab

**HANDS ON PRACTICALS IN PRECON**

PLC Ladder Logic

Allen Bradley- 1766-L32 BW BX (RS LOGIX 500)

Siemens- S7-1200c (TIA)

Delta- (WPL SOFT)- DVPSS2 −

AC Drives –

TIA Starters- SINAMICS G120- CU240S DP

− Speed and direction control through BOP & software

Electrical Control Panel –

Wiring AC 220V Starters for D.O.L, R.D.O.L and STAR DELTA

− Electrical drawing of starters and Hardwire Interlocks

HMI & SCADA Development

# **CERTIFICATIONS**

Data Science Maths Skills (Duke University)- Coursera

MATLAB Onramp (Mathworks)

Introduction and Programming with IoT Boards (Pohang University)- Coursera

# **PASSIONS**

* Playing badminton & cricket
* Sketching and drawing
* Gardening

# **LANGUAGES**

English Marathi Hindi