Madhav Wagh

Career Objective

To serve the Nation, *in a dynamic and professional environment that will allow my enthusiasm, self-motivation & sense of dedication to get explored & utilized towards the development of Technology .*

To have Clarity in Mind, Purity in Heart, Sincerity in Action, *and to work for the Betterment of Organization and Nation.*

Education

Degree	College/School	University	Passing Year	Pass Percentage
Sem-5	Sardar Patel Institute Of Technology	Mumbai University	Feb, 2017	9.70/10
Sem-4	Sardar Patel Institute Of Technology	Mumbai University	June, 2016	9.14/10
Sem-3	Sardar Patel Institute Of Technology	Mumbai University	Feb, 2016	9.85/10
Sem-2	Sardar Patel Institute Of Technology	Mumbai University	June, 2015	8.02/10
Sem-1	Sardar Patel Institute Of Technology	Mumbai University	Jan, 2015	8.70/10
H.S.C (12th)	Kendriya Vidyalaya INS Hamla	CBSE	April, 2014	91.0/100
S.S.C (10th)	Kendriya Vidyalaya INS Hamla	CBSE	March, 2012	9.0/10

Projects

1. **eYantra-2016**, *Navigate A Terrain* —— **_1st Position_** *(Aug 2016- Apr 2017)*
   - Worked on R-Pi (Rover System) & Node-MCU (Base Station)
   - Combined Image Processing, Laser detection, Wireless Communication, Shortest Path Finding Algorithms and desiged a prototype of autonomous system for Navigation in Space Missions

2. **Interfacing GLCD with DSP**, *(June 2016 - Present)*
   - Worked on DSP (TMS320F28335)
   - Interfaced Graphic LCD with DSP, showing images captured by interfaced camera on GLCD
   - Further, will implement a Standalone Image Processing system using DSP having various Industrial & Home Applications

3. **eYantra-2015**, *Pizza Delivery Service* —— **_4th Position_** *(Aug 2015- Apr 2016)*
   - Worked on Firebird-V(Atmega 2560)
   - Combined Line Following, Color & Height Detection using Sharp & Proximity Sensors, Interfaced Color

Sensor to detect color of Pizza Boxes,
- And, designed a Optimized Algorithm for optimal path finding and delivery of the Pizza, thus implemented a prototype of Automated Pizza Delivery System

4. **Temperature Detection & Buzzer Feedback** *using Temperature Sensor with Atmega 32* *(May 2015- June 2015)*
   - Interfaced Temperature Sensor with Atmega 32 and Calibrated it (using its transfer charac.) efficiently using graph approximation techniques.
   - Buzzer was used as feedback if Temperature exceeds a certain threshold.

Training & Internship

- Intern at *Bharat Petroleum Corporation Limited*, under MMBPL department in **Communication & SCADA System** *(Mumbai, Mahul Refinery, Dec 2016- Jan 2017)*

- Successfully completed certified Summer Internship/Training Programme at CETTM MTNL on **Java Programming and 3G UMTS Networks** *(Mumbai, CETTM Powai Campus, June 2016 - July 2016)*

- Successfully completed a 1 Month certified Summer Internship/Training Programme on **Embedded Systems & System Design** at S.P.I.T under Dr. Y.S. Rao. *(June -2015)*

Technical Skills

- **Programming Languages Known**: C, C++, Java, Embedded C , Python

- **Software worked with**: AVR Studio4, Latex, CodeVision AVR C Compiler, Scilab, Matlab, Labview, TINA, SEQUEL, Code Composer Studio-4, Arduino-IDE and MS-Office.

- **Hardware Familiar with**: Atmega 32, Atmega 2560 and ARM-7 Microcontrollers, DSP, R-Pi, Node-MCU