



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

- 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 designed a prototype of autonomous system for Navigation in Space Missions
- 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
- 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

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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

Soft Skills

1. Volunteered with the **Art of Living** by organizing several of its courses and camps in Maharashtra. (2010-Present)
2. Volunteered with the **Abhyudaya** foundation by Teaching (Mathematics, Science) to the underprivileged kids. (Jan 2016-Present)
3. Gave a Talk on *Yoga & It's Benefits* at **LIC** , Division-III HQ on 60th Insurance Week
4. Organized *Blood Donation Drive* with the **Rotary Club** at Bhavan's Campus Andheri.

Extra-Curricular Activities

- Internationally Rated chess player (Rating 1458). (2006-Present)
- Represented College in the Zonal and Inter-Zonal Level and secured 4th Place in the Zonal. (2015-2016)
- Represented School (Kendriya Vidyalaya Sangathan) at the National Level Inter-School Chess Meet. (2012-2013)
- Secured 1st Position in the Table-Tennis Talent Search Competition conducted by TTFI (Table Tennis Federation of India). (2013)

Co-Curricular Activities

1. **Technical Head** of Sardar Patel Institute of Technology. (July 2016-Present)
2. Assisted as a Resource Person to Dr. Y.S Rao in *Faculty Training workshop* on ARM, ARM Cortex & RTOS. (August 2015)