Lovish Mehta

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 1 to 6(EXC)	Chandigarh University	Chandigarh University	2020	7.71/10
H.S.C (12th)	Maharana Pratap Public School	CBSE	April, 2016	71.4/100
S.S.C (10th)	Maharana Pratap Public Schoo	CBSE	March, 2014	9.6/10

EXC => Electronics & Communication

Projects

1. **Bootloader for ATMEGA2560 Controller** *(July 2019- Present)*
   - Making a basic bootloader for AVR Controller ATMEGA2560. The bootloader should enable the controller to receive data serially without the help of special programmer

2. **Automatic Testbench Kit For testing Sensors and Controllers** *(May 2019- July 2019)*
   - The prime motive of this project was to develop a Testbench Kit for testing and validating electronic devices/modules. The user should be able to test all kinds of sensors and Avr controllers. I also made PCBs for the TestBench kit.

3. **AVR Atmega 2560 USART and I2C Libraries** *(June 2019- June 2019)*
   - Worked and made USART(Universal Synchronous/Asynchronous Receiver/Transmitter) and I2C (Inter-Integrated Circuit) libraries for AVR controller Atmega 2560 using Embedded C.

4. **eYantra-2018 (MHRD Sponsored, National Level Robotics Competition)**,
   Theme: Thirsty Crow —— ***4th Position*** *(Aug 2018- Mar 2019)*
   - Interfaced IR sensors ,motors, encoders and Xbee module with ATMEGA2560 microcontroller and wrote code for line following in embedded C.
   - Designed Orientation Algorithm which helped the bot to decide which direction to face after reaching the destination.

5. **PCB (for Air Pollution Monitior)**, *(Dec 2018- Jan 2019)*
   - Designed two PCB's for the prototype of the Air Pollution Monitor. The PCB had connection for 1.8 TFT screen, Atmega328p micro-controller, PMS sensor, Charging circuit, Voltage booster circuit etc.

6. **Air Pollution Monitor**, *(June 2018 - July 2018)*
   - Interfaced Various sensors like BME-280,CCS811,PMS7003,Telaire T6700 with Atmega328p microcontroller.
   - Used various communication protocols such as I2C, UART and SPI.
   - Worked on the graphics of TFT screen and interfaced it with Atmega328p.

7. **Line Imitator** *(Mar 2018 - Apr 2018)*
   - The project included interfacing of Arduino Atmega2560 with IR sensors and DC motors together to follow the white

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line on black surface.

8. **IARC** *IARC bot performed three major functions: (Janr 2018 - Mar 2018)*
   - Wall following, Line following, Color Recognition

Internships

- Worked as an intern at ***IIT BOMBAY***, under Dr. Kavi Arya *(Mumbai, Powai, May 2019- July 2019)*
- Worked as an intern at ***Aerogram*** *(IIT Delhi) (Delhi, Dec 2018- Jan 2019)*
- Worked as an intern at ***Phase Labs*** *(IIT Delhi) (Delhi, June 2018- July 2018)*
- Worked as an intern at ***HBeonlabs Technologies Pvt. Ltd.*** *(Greater Noida, May 2018- June 2018)*

Technical Skills

- **Programming Languages Known**: C, C++, Embedded C, Data Structures
- **Software worked with**: Atmel Studio4, Dev C++, Latex, Kicad, Eagle, Matlab, Arduino-IDE and MS-Office.
- **Hardware Familiar with**: 8085, 8051, Atmega 328 and Atmega 2560

Soft Skills

- Leadership
- Teamwork
- Problem Solving
- Dedicated
- Able to work in a busy and varied atmosphere

Achievements

- Won 1st prize in Line Imitator Competition at IIT Ropar.
- Won 1st prize in inter department Abdul Kalam innovation Competition- 2017,Chandigarh University,Chandigarh.
- Won 1st prize in inter department Abdul Kalam innovation Competition- 2018,Chandigarh University,Chandigarh.
- Won 2nd prize for presenting Remote Controlled Hydraulic Arm on occassion of Engineers Day, Chandigarh University.
- Won 3rd prize in inter department Abdul Kalam innovation Competition- 2019,Chandigarh University,Chandigarh.
- Secured 4th position in eYRC-2018, a National Level Robotics competition organized by MHRD and IIT Bombay.

Personal Details

Father's Name: Sanjay Kumar
Sex: Male
Nationality: Indian

Mother's Name: Sarita
Date Of Birth: 10 September 1998
Marital Status: Single

Reference

Tanmay Bunkar,
Founder and Director Botlab Dynamics,
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Declaration

I declare that the information mentioned here in my resume is correct and complete to the best of my knowledge and nothing has been concealed or distorted. If at any time I am found to have concealed / distorted any material information, my appointment shall be liable for termination without notice or compensation.

DATE: 22 Oct 2019