**Sanjeet**

Address: B-24, Krishan Vihar, Delhi, 110086

Github: https://github.com/Sanjeet0000

E-mail: sanjeetdeshwal@outlook.com

Mobile: 8447538978

*Embedded Systems Engineer turned MERN Stack Developer looking for an Entry level web developer job to kickstart the career.*

**Education**

|  |  |  |  |
| --- | --- | --- | --- |
| Qualification | University/Board | Graduation Year | CGPA/Marks Percentage |
| Bachelor of Technology in Electronics and Communication Engineering | DCRUST, Murthal, Haryana | 2017 | 6.50 |
| 12th Class | CBSE | 2013 | 69.4% |
| 10th Class | CBSE | 2011 | 8.80 |

**Core Skills and Knowledge**

* MERN Stack; HTML, CSS, JavaScript, ReactJS, NodeJS, ExpressJS, ReduxJS, MongoDB, Bootstrap, GitHub
* C, Embedded C, Basic knowledge of C++, PCB Designing
* Visual Studio Code, AVR Studio, KEIL µVision, MPLAB Xpress, Proteus, Autodesk EAGLE, Altium Designer, Protel
* ATmega8 Microcontroller, PIC16 Microcontroller, ARM7 Microcontroller, 8051 Microcontroller, MSP430 Microcontroller, Arduino UNO, Raspberry Pi, DMM, Function Generator, Oscilloscope
* SPI, UART, I2C Protocols
* Project Managements and Planning

**Work Experience**

* **Excel Technologies, Noida**

**Embedded Systems Engineer** from 02/01/2019 to 21/03/2020 (15 months)

* Designed Various Engineering Trainer Kits’ PCBs as per customer needs in Altium Designer
* Wrote firmware code in Embedded C language for various 8-bits and 16-bits microcontrollers.
* Used various software tools like AVR Studio, Keil µVision, MPLAB IDE, Arduino IDE, Proteus, Protel and hardware tools like DSO, Function Generator, DMM, Soldering Station etc.
* Responsible for troubleshooting and final testing products at the component level.
* Maintained documents for products and prepared their working manuals.
* Conducted various workshops for engineering colleges.

**Training**

* **MERN Stack Web Development Course** PrepBytes.com December-2022 to April-2023 (5 months)

* Learned about HTML, CSS, JavaScript, Bootstrap, React.JS, ExpressJS, Node.JS, MongoDB
* Designed and built various web projects based on HTML, CSS, JavaScript and MERN stack

* **Embedded System Course** Sofcon India Pvt. Ltd. June 2018-Sept 2018 (3 months)
* Learned PCB Designing and PIC microcontroller (PIC16F877A), ARM microcontroller (LPC2129), Arduino Uno, AVR microcontroller (ATmega 8) programming and implementing that on physical components which includes:
* Peripheral interfacing; LED, Alphanumeric LCD, 7-Segment, DC Motor, Matrix Keypad etc.
* Timers, Interrupts, PWM, ADC
* UART, SPI, TWI, I2C Communication Protocols

**Personal Project Experience**

* Digital Clock with reminder using HTML, CSS and JavaScript
* Webpage using only HTML for styling
* Blog website using React.JS, Bootstrap, NodeJS and MongoDB
* E-commerce website using React.JS, Redux and Bootstrap
* PIR Sensor based Intruder Alarm System using ATmega8
* Water Flow Volume Measurement Tool using flow sensor and Atmega8
* Gas Leakage Detection System using MQ-5 sensor and AT8951RD2
* Temperature Controlled DC Fan using PIC16F877A Microcontroller
* Humidity and Temperature detection system using AT8951RD2 and DHT11
* Alarm device using Raspberry Pi 3 B+ and Ultrasonic Sensor

**For MERN Stack Projects visit GitHub profile at**https://github.com/Sanjeet0000