

# JASIKA AHIRWAR

Embedded Firmware Engineer

## PROFILE

Creative and Enthusiastic Embedded Firmware engineer looking for opportunity in embedded firmware domain to enhance my skill.

## CONTACT

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## PERSONAL DETAILS

Date of Birth: 10 October 1997

Gender: Female

Address: Ganesh Nagar Pandav Nagar, Delhi

## PUBLICATION

### Design and Implementation of Smart Restaurant,

International Journal of VLSI Design and technology

### LINK:

<http://ecc.journalpub.info/index.php?journal=JVDT&page=article&op=view&path%5B%5D=99>

## ACHIEVEMENTS

Qualifying GATE 2019.

Showcase project at college fest.

## EDUCATION

### Bachelor Degree in ECE (2019-2015) -75%

IMS Engineering College, Ghaziabad, Uttar Pradesh

### 12<sup>th</sup> (2014-2013) – 76.6%

Mahatma Hansraj Modern School, Jhansi, Uttar Pradesh

### 10<sup>th</sup> (2012-2011) – 7.8 CGPA

Morning Star Children Academy, Orai, Uttar Pradesh

## WORK EXPERIENCE

### Embedded Firmware Engineer, Research and Development Department

Copper Connection Limited, Delhi

#### Nov 2021 - Presents

- Design, develop code, test and debug system firmware.
- Experience in controller programming and its different communication protocols (USART, I2C, SPI).
- Develop unit testing software to aid the testing and debugging of hardware products.
- Experience writing lean code for real time interrupt driven applications
- Ability to read and understand hardware schematics and data sheets.
- Experience in driver development.

### Design Engineer, Research and Development Department

Aimil Limited, Delhi

#### July 2019 – Nov 2021

- Experience in testing and debugging electronic hardware and firmware. Designing and modification of hardware and firmware based on customer requirements.
- Experience in hardware lab tools, Digital Oscilloscope, Multimeter, and other lab equipment.
- Coordinate with engineering, manufacturing, sales and marketing teams to manage all aspects of product development and production.
- Work on all aspects of production from start to finish including design, testing, troubleshooting, calibration and delivery to the customer.
- Provide training to operate the instrument to the service engineer and the installation engineer.

## SKILLS

### Programming Language

- C Language, Embedded programming

### Software Skills

- Keil (µVision IDE), Atmel studio, Microchip, ColIDE, Visual Studio

### Controller used

- STM32, ATMEGA, MKE, PIC

### Skills

- GPIO, Interrupt, Timer, UART, I2C, SPI, Flash, EEPROM, GSM