



# MONICA A

COMPUTER SCIENCE UNDERGRAD &  
GRADUATE INNOVATION ENGINEER

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## Educational History

### KUMARAGURU COLLEGE OF TECHNOLOGY

B.E COMPUTER SCIENCE [2018-2021]  
CGPA - 8.81

### ST.JOSEPH'S POLYTECHNIC COLLEGE

DIPLOMA IN COMPUTER SCIENCE  
[2015-2018]  
PERCENTAGE: 97.8%

## Core skills

UI/UX



Web development



Power Bi



Content writing



WIX



Design Thinking



## Experiences

### FREELANCE WEB DEVELOPER

Have designed and developed portfolios, business websites for various clients

### FORGE ACCELERATOR [ AUG - DEC 2019 ]

Innovation Engineer Trainee

- Visionary of TEAM INDIVIDUAL PROTECTION SYSTEM[IPS]
- Designed a dashboard for soldier's real-time health monitoring and also worked with IOT
- Learnt and implemented LoRa modules
- ACTIVE PART OF DESIGN THINKING GROUP.
- ACTIVE PART OF WEB AND APPLICATION DEVELOPMENT GROUP.

## AREAS OF INTEREST

- Web development
- Front end development
- Design thinking
- Cloud development
- Internet Of Things (IOT)

## PROGRAMMING PROFICIENCY

- JAVA
- C
- HTML
- CSS
- JAVASCRIPT
- BOOTSTRAP

# ACCOMPLISHMENTS

## Projects

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- **Necessite**

As a part of software engineering project I have developed an intra-college online essential delivery website that can cater to the needs of hostel students as well as day scholars

- **HERO (Heat Sensing Robot)**

Arduino based smart robot with heat sensors and alarm that could sense fire in remote areas and alert the citizens

- **Smart Solar Power Bank**

Smart solar portable charger built with Arduino that can store the solar energy in the morning and give enough power to charge your mobile

- **Smart Attendance using Image processing**

A simple code that can check the details of the Individual and mark them present and absent when they come in front of the camera

- **Smart Public Distribution System**

developed a prototype for solving a real-world problem participated in a 4-day hackathon and got admitted into protosem

## Presentations

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- Presented a paper on "Smart Health Monitoring for elders" and won the **Best Paper Award** at Indian Institute of Science (IISc), Bangalore

- Presented a solution with a mind map for the "Reforms in Indian Education" and won the "**High Impact Solution Award**" presented by the Confederation of Indian Industries (CII)

- Presented a paper on "Neural Networks" at Government College of Technology, Coimbatore

- Presented a paper on "Mathematics for Computer Science" at Kumaraguru College of Technology

- Presented a paper on "Neural Networks and the Human brain" at KIOT