VARUN BHARATHI J

EDUCATION

B.Tech - Electronics and Instrumentation Engineering
Vellore Institute of Technology, Vellore
07/2018 - Present   *90.6%*

Higher Secondary School
Maharishi International Residential School, Chennai
06/2016 - 04/2018   *75.4%*

Secondary School
Senthil Public School
04/2014 - 05/2016   *98%*

TECHNICAL SKILLS

Microcontrollers | Embedded Programming
Embedded C | 8051| proteus | KeilµVision |Arduino | NodeMCU

Programming Languages
Java | Python |C++ | HTML |CSS |JavaScript | PHP |MySQL |
Yii2 PHP based framework

Software Experience
MultiSim | Matlab| Ltspice | ModelSim | Android Studio |Rlab
|Netsim 9

ACHIEVEMENTS

Research paper
Published a method for detecting gas leakage in International
Journal of creative research thoughts (IJCRT)

Microsoft Technology Associate
Recognized as Microsoft Technology Associate for Python
Programming

EXPERIENCE

Verzeo Ltd (Company)   **07/20 -09/20**
Embedded engineer
- Responsible for designing and creating a Password-based door
  lock system.

Wave-us Network   **04/20 -06/20**
- Worked as a Backed developer was responsible for creating
  database schematic.
- Technology stack: mySQL, PHP, Yii2 framework, HTML, javascript

VOLUNTEERING

Ayuda (NGO)   **08/19 - 02/21**
Student Volunteer

KEY QUALITIES

☑ **Creative**   ☑ **Adaptive**

☑ **Problem Solving**   ☑ **Leadership**

PROJECTS

Microcontroller | Embedded Programming
- Gas leakage detection system
- Home automation
- weather monitoring and prediction using Thingspeak and
  MATLAB
- House price prediction using Random Forest algorithm.
- SMS controlled water motor for remote places with less network
  connectivity.
- Landslide prediction and alert system using IoT.
- Vision Aid for blind people.

Digital Signal Processing
- Encrypting audio signal to Images and decrypting it.

Web, Android App, ML-based Projects:
- House Price Prediction using Random Forest algorithm
- A landing Page for Photographer | Blog Website
- An App for City corporations to effectively collect Garbage from
  with the use of garbage trucks (works like uber for garbages)

Contact

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