SHASHANK SIMHA M R

Tech - Enthusiast

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A tech-enthusiast currently pursuing Bachelor's in Electronics and Communication Engineering. Interested in the field of Internet of Things and embedded systems. Also have good knowledge in developing websites and android applications.

Actively looking for opportunities for Research and Internships in the field of Embedded Systems, Internet of Things and Robotics.

Experience

Jun 2018 - present

Vice Chairperson
NIE IEEE Student Branch

- Organised many events such as Competetions, Workshops, Tech-talks, etc.
- Played an active role in tech-fests like Ankura'18 & Adroit'18
- Helped the team as a technology volunteer

Jun 2018 - Oct 2018

Website Lead
All India Student-YP-WIE Congress

- Lead the Website team for 4 months to build a professional website
- Optimised the performance of website to work under different conditions
- Actively volunteered for the conference

Education

Aug 2016 - Jun 2020

The National Institute of Engineering
Bachelor of Engineering (Electronics and Communication)

CGPA: 9.17

Jul 2014 - Apr 2016

Maharaja's P.U college
11th and 12th

12th Score: 92.50%

Jul 2014 - Apr 2016

JSS High School
2003 - 2014

10th Score: 92.80%

Skills and Abilities

Programming
- Programming Languanges: C, C++, Java, Python, PHP
- Full Stack Web Development
- Databases: MySQL, MongoDB, PostgreSQL, Firebase
- Frame works: Laravel, Yii2, Flask, Bootstrap
- Android Development
- Computer Networks (IP Networking)

Embedded Systems
- Microcontrollers and Microprocessors: 8051, x86, Atmega, Arduino, ESP 8266, ESP 32, Raspberry Pi, etc.
- Programming Languages and Tools: Assembly, Embedded C, Arduino, MicroPython, Keil uVision, Proteus
- Kernel Programming, Shell Scripting and Real Time Operating Systems(RTOS)
- Communication Protocols
- Sensors, Actuators and Peripheral hardware
- Electronic Circuit Board (or PCB) design and troubleshooting

Projects

Jun 2018 - Oct 2018

AISYWC Website
Official website of All India Student-YP-WIE Congress 2018.

https://aisywc.in
https://github.com/shashank-simha/AISYWC

May 2018 - Jun 2018

NIE Summer of Code (Projects on ESP 32)
Projects like Web server, Bluetooth SD card reader, Remote Temperature logger, OTA, Web Client, etc. built using ESP 32 and SD card module.

https://github.com/shashank-simha/NSoC5.0

Aug 2018

Presenter
Android app for remotely controlling presentations built using RevealJS (Integrated with Google Firebase).

https://github.com/shashank-simha/Presenter

Dec 2017

QM solver
A command line application(written in python) to find minimal expressions for digital circuits by implementing Quine Mcclusky Algorithm.

https://github.com/shashank-simha/QuineMccluskey

Feb 2018	## Smart Attendance System
	A web app containing separate login and other functionalities for students, teachers and admins.
	https://github.com/shashank-simha/Integrated-Management-and-Attendance-System
Sept 2018	## Walky Talky
	Android app for scanning QR code or Barcode to find clues.
	https://github.com/shashank-simha/Walky-Talky
	## Other Projects
	All my public projects can be found at:
	https://github.com/shashank-simha/

Achivements

Technical	• Best Website Award - AISYWC'18
Others	• Secured state wise 2nd rank in National Means cum Merit Scholarship Exam (2011)

Workspaces

Online portfolio	https://simha.me