

# SHASHANK SIMHA M R

Tech - Enthusiast

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**Github:** [github.com/shashank-simha](https://github.com/shashank-simha)

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

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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

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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

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## Programming

- Programming Languages: 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

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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

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### Technical

- Best Website Award - AISYWC'18

### Others

- Secured state wise 2nd rank in National Means cum Merit Scholarship Exam (2011)

## Workspaces

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### Online Portfolio

<https://simha.me>