

Arun Vijay.S

»»» ELECTRONICS ENGINEER

PERSONAL SUMMARY

I am an Electronics and Communication engineer student looking for opportunities, to enhance my skills in the field of IoT, embedded systems, hardware design engineering and other related fields.

SKILLS

- Proficient in micro-controllers such as ESP-8266, Arduino and ARM
- Proficient in C, Embedded C
- Bare-metal, RTOS microcontroller programming (FreeRTOS)
- Python, MATLAB, Mathematica
- Networking and IoT
- Arduino and Raspberry Pi
- Web applications development (JavaScript)
- NodeJS server side scripting
- Familiar with Internet of Things tools such as AWS, Heroku, Node-RED

ADDITIONAL SKILLS

- Proficient with handling hardware tools and components
- Familiar with Linux systems
- Efficient in teamwork and problem solving
- Efficient communicator, quick learner, enterpriser

CONTACT INFO

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<https://www.linkedin.com/in/arun-vijay-61248b17a/>

GitHub: <https://github.com/ak47av>

D.O.B : 18/09/2000

ACADEMIC BACKGROUND

Amrita School of Engineering(Coimbatore)

[B.Tech Electronics and Communication Engineering | 3rd year](#)

- Currently with a CGPA of 8.78 (5 semesters)
- Joined in 2018, graduating in 2022

EMPLOYMENT HISTORY

Technical Intern

[Spark Drives and Automation | 2019](#)

- Provided assistance to the development of an Internet of Things enabled vending machine
- Programmed on a Raspberry Pi
- Received exposure to product development workflow.

PROJECTS

- Wi-Fi Controlled RC car
- IoT Temperature monitoring
- Digital temperature monitor with Hex Displays
- EMG(muscle) controlled RC car
- IoT vending machine (software prototype)
- Google assistant enabled home lighting
- Analog Modulation schemes visualization (<https://comm-theory-sem6-project.vercel.app>)
- LED dress reacting to brightness levels
- GitHub Profile: <https://github.com/ak47av>

CERTIFICATIONS

- AWS Fundamentals: Going Cloud-Native
Amazon Web Services, Grade Achieved: 94%
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/83NEVEPT9PMX>
- Introduction to FPGA Design for Embedded Systems
University of Colorado Boulder, Grade Achieved: 94%
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/DZMC2SCT7H9Z>
- AWS Fundamentals: Building Serverless Applications
Amazon Web Services, Grade Achieved: 98%
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/ZQUHRWYCWT72>
- Introduction to Self-Driving Cars
University of Toronto, Grade Achieved: 98%
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/CKL7NWFVVDSD>
- State Estimation and Localization for Self-Driving Cars
University of Toronto, Grade Achieved: 97%
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/KJSZ4W2JRG4U>
- Other certificates from workshops attended, courses done from other organizations such as Udemy