

Sashwat K

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EDUCATION

- **College of Engineering Trivandrum (CET)** Thiruvananthapuram, India
Post Graduation; Masters in Computer Application August. 2017 – April. 2020
- **Christ Nagar College** Thiruvananthapuram, India
Graduation; Bachelor in Computer Application June. 2014 – May. 2017
- **Kendriya Vidyalaya AirForce Station Akkulam** Thiruvananthapuram, India
High School; Computer Science April. 2012 – March. 2014

EXPERIENCE

- **Xilinx, Inc** Hyderabad, India
CAD Engineer June 2020 - Present
- **Appfabs PVT LTD** Technopark, Thiruvananthapuram, India
Intern May 2018 - September 2018
- **IoT Lab** CET, Thiruvananthapuram
Student faculty September 2017 - April 2018 & October 2018 - January 2019

WORKSHOPS HANDLED

- **Git Workshop** CET, Thiruvananthapuram
IEDC 2020
 - **Git:** Introduction to version control, git commands etc.
- **Raspberry Pi Workshop** CET, Thiruvananthapuram
IOT Lab 2018
 - **Python:** Included libraries for working on GPIOs (RPi.GPIO, time and HTTP requests(python-requests))
- **Arduino Workshop** CET, Thiruvananthapuram
IOT Lab 2018
 - **Arduino:** Included working on libraries for using LCD, OLED, keypad etc.
- **Beaglebone Workshop** CET, Thiruvananthapuram
IOT Lab 2018
 - **Linux and Python:** Included Linux basics, Python basics and python libraries like handling Adafruit BBIO and time.
- **Raspberry Pi Workshop** CET, Thiruvananthapuram
Drishti 2018
 - **Pi:** This workshop was conducted at Drishti (Technical Fest, CET). The session included about introduction Raspberry Pi, Linux, working remotely, Python, creating Pi server and home automation using Pi.
- **Git Workshop** Muthoot Institute of Technology and Science, Kochi
2019
 - **Git:** In this workshop, I took session on Git and Github.

ACHIEVEMENTS

- **HacktoberFest** DigitalOcean and GitHub
Online Event *October 2018, 2019 & 2020*
 - **Online Event:** Make Minimum 4 pull requests
- **Ignite' 19** NIT Suratkal
All India MCA Meet *October 2019*
 - **Nexus - 1st prize:** Non - Technical, Team event - 5 members
- **Version' 19** NIT Tiruchirappalli
All India MCA Meet *September 2019*
 - **Technothon - 1st prize:** Project presentation event. (Individual event). The project is a solution to impersonation in exams using a device to authenticate users using their fingerprint, automation web based software for exam department and a mobile application for students to view exams rooms and attendance. The teachers can view their duty sheets. The project is developed using python (libraries involved requests, pymysql and fingerprint library), javascript (Electron, python-shell and mysql), docker, flutter and PHP.
 - **Phoenix - 1st prize:** Interview competition for KLA's Internship. The participants are selected based on their overall performance in the whole event. (Individual event)
 - **Star Performer:** Given for best performance in the 2 day event.
- **Nakshatra' 19** NIT Calicut
All India MCA Meet *February 2019*
 - **Quibble - 1st prize:** Non - Technical quiz, Team event - 2 members
 - **Enigma - 2nd prize:** Technical quiz, Team event - 2 members

MY PROJECTS

- **IOT Water Level Indicator:** The IOT Water Level Indicator is automated pump control for filling tank based on water level, run garden sprinkler system based on garden moisture level and run farm sprinkler system based on specific time. This project was developed for the department. This project has been done as my PG degree's mini project and is available at <https://github.com/sashuu6/cet-mca-s5-miniproject-iot-based-water-level-indicator>.
- **vOne:** My version of Arduino Uno for board isolation. This project is available at <https://github.com/sashuu6/vOne>.

PROGRAMMING SKILLS

- **Languages:** Python, Go **Technologies:** Linux, Git, Docker-Compose, Perforce, ICManage
- **Softwares:** Visual Studio Code, Arduino IDE, Qt Creator **Design Tools:** Autodesk Eagle, Fusion 360