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

- **TechWithUs PVT LTD** CET, Thiruvananthapuram
  Software Developer *March 2019 - Present*
  - **About**: A Startup of CET that developed softwares for KTU and the college.
  - **ExamMarker**: ExamMarker is a product developed using python, electron, javascript, Web and PHP. I contributed in developing the sections that used python, electron and javascript.

- **Appfabs PVT LTD** Technopark, Thiruvananthapuram, India
  Intern *May 2018 - September 2018*
  - **Cyber security**: Cybersecurity is the protection of internet-connected systems, including hardware, software and data, from cyberattacks. In a computing context, security comprises cybersecurity and physical security – both are used by enterprises to protect against unauthorised access to data centres and other computerised systems.

- **IoT Lab** CET, Thiruvananthapuram
  Student faculty *September 2017 - April 2018 & October2018 - January 2019*
  - **Arduino UNO**: The Arduino UNO is an open-source micro-controller board based on the Microchip ATmega328P micro-controller and developed by Arduino.cc. As a member of student faculty, I was given the chance to take classes on Arduino UNO to the students of CET.
  - **Raspberry Pi**: The Raspberry Pi is a tiny and affordable computer that can be used for practical projects and to learn programming. I took workshops on Raspberry Pi.

WORKSHOPS HANDLED

- **Raspberry Pi Workshop** CET, Thiruvananthapuram
  IOT Lab *2018*
  - **Python**: This workshop was conducted by a team of 4 students including me. In this workshop, I handled python session.

- **Arduino Workshop** CET, Thiruvananthapuram
  IOT Lab *2018*
  - **Arduino**: This workshop covered all the sections from Arduino basics, embedded C, micro controller vs micro processor and few basic programs.

- **Beaglebone Workshop** CET, Thiruvananthapuram
  IOT Lab *2018*
  - **Linux and Python**: This workshop was conducted by a team of 4 students including me. In this workshop, I handled Linux and Python session.

- **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
  Pull Requests — *October 2018 & 2019*
  - ○ **Nexus - 1st prize**: Non - Technical, Team event - 5 members

- **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)
  - ○ **Pheonix - 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

- **3-factor-authenticated-door-lock**: A 3 factor authenticated door lock using Atmega328p, 74HC595 multiplexer, key switch, keypad and RFID. This project is available at https://github.com/sashuu6/3-factor-authenticated-door-lock.
- **digital-clock-with-birthday-alarm**: The digital clock with birthday alarm is a DYI alarm built using Arduino UNO, Adafruit OLED and DS 3231 RTC module. This project is available at https://github.com/sashuu6/digital-clock-with-birthday-alarm.
- **vOne**: My version of Arduino Uno for board isolation. This project is available at https://github.com/sashuu6/vOne.
- **Realtime Barcode Scanner**: My version of Barcode Scanner developed using Python and OpenCV. This project is available at https://github.com/sashuu6/realtime-barcode-scanner.
- **Python Fingerprint Recognition**: In this contributed project, I have fixed the python errors due to which the program doesn't run. Parent project-https://github.com/kjanko/python-fingerprint-recognition. My project-https://github.com/sashuu6/python-fingerprint-recognition.

Programming Skills

- **Languages**: C, Python, ElectronJS, AngularJS, Bash   **Technologies**: Git, Linux, Docker

- **Softwares**: Visual Studio Code, Arduino IDE   **Design Tools**: Fritzing, Fusion 360