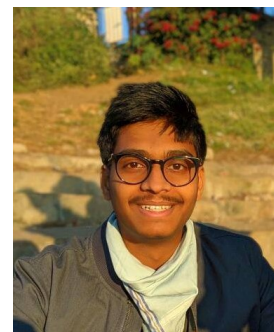


# K V Sai Akhil



## CONTACT INFORMATION

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Github: [kvsaiakhil](https://github.com/kvsaiakhil)

## OBJECTIVE

Looking for an internship to enhance my technical skills and gain real world problem solving experience in the field of computer vision and embedded systems.

## EDUCATION

- **Undergraduate (B.E) — Electronics and Communication Engineering**  
B. M. S College of Engineering, Bengaluru | Visvesvaraya Technological University | 2020 (expected)  
**5<sup>th</sup> Sem. CGPA 8.9**
- **Pre University — PCMC (Computer Science)**  
AECS Magnolia Maaruti PU College, Bengaluru | Karnataka Pre University Board | 2016  
**Aggregate 90.33%**
- **10<sup>th</sup>**  
Dream World School, Ballari, Karnataka | CBSE | 2014  
**GPA 9.8**

## PROJECTS

1. **TADPOL | Electronic prototyping platform (similar to Arduino Nano) based on Nuvoton W78E052DDG Microcontroller (8051 Architecture)**  
[www.bautomateindia.com](http://www.bautomateindia.com)

- Integrated USB to TTL converter onto the breakout board | Schematic Design using EasyEDA
- Embedded C programming

**Team of 8 | Aug 2018 - Jan 2019**

2. **Solar Chulha Android App | Solar Chulha Challenge, ONGC**

- Android Application to control Solar Chulha | Android Studio

**Team of 2 | Jan 2018 - March 2018**

3. **MINI PROJECTS**

- (a) RF Based Home Automation System | Team of 4 | Aug 2017 - Sept 2017
- (b) Yi Camera Trigger using ESP 8266 12E via Pixhawk Flight Controller for Capturing Image from a Quadcopter. | Team of 2 | April 2019 - Present

## TRAINING

- **Deep Neural Networks for Computer Vision, NASSCOM Collaborative | EIP 3.0 Phase 1**

**Feb 2019 - Present**

## INTERNSHIP

- **Firmware Developer | 1 month duration | NGX Technologies Private Ltd.,**

- Application Specific firmware development for handheld billing/ticketing machine (HTM 210) | Application: Electricity Billing
- Programming Language: Embedded C

**June 2018**

## TECHNICAL SKILLS

- **Programming Languages**

- Proficient: C, C++
- Intermediate: Python
- Familiar: MATLAB, Assembly (8051), Java, HTML, Verilog, L<sup>A</sup>T<sub>E</sub>X

- **Software Tools**

- Arduino IDE, LT Spice, Easy EDA, Git, ROS Kinetic, Keil  $\mu$ Vision, MATLAB, Xilinx Verilog, Android Studio.

- **Hardware Platforms**

- TADPOL (Nuvoton 8051 W78E052DDG based), Arduino, Raspberry Pi, NODE MCU ESP8266.