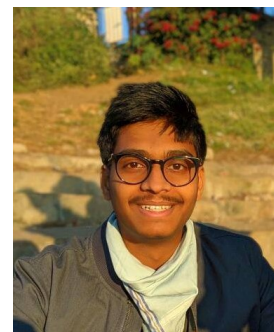# K V Sai Akhil

CONTACT INFORMATION

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Karnataka

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Github: 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)
  5th Sem. CGPA 8.9

- **Pre University — PCMC (Computer Science)**
  AECS Magnolia Maaruti PU College, Bengaluru | Karnataka Pre University Board | 2016
  Aggregate 90.33%

- **10th**
  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

   - 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 Challange, 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, LaTeX

- **Software Tools**

  – Arduino IDE, LT Spice, Easy EDA, Git, ROS Kinetic, Keil μVision, MATLAB, Xilinx Verilog, Android Studio.

- **Hardware Platforms**

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

SOFT SKILLS

1. **Project Management and Decision Making**
2. **Leadership**
3. **Public Speaking**

EXTRA-CURRICULAR ACTIVITIES

- **Active Member of Mountaineering Club, (Adventure Club of BMSCE)** | Completed Basic Aqua Sports Course, GETHNAA, Chitradurga. | Jan 2019
- **Food Cordinator** | UTSAV – Cultural Fest of BMSCE | 2018
- **NSS Volenteer for EFA (Education for All)** | Taught at Yediyur Government Primary School, Bengaluru for Primary School Students | September 2016 - November 2016
- **Pilot for Fixed Wing RC Airplane** at Aero BMSCE (Propel Lab-3)

CO-CURRICULAR ACTICITIES

1. **Active member of Robotics and Embedded Systems Lab (Propel Lab 1).**
2. **Conducted Workshops** on PCB Designing, Python, Arduino and Raspberry Pi.
3. **Event Coordinator** | Organised **Hardware Hackathon** for PhaseShift, National Level Tech Symposium of BMSCE.

PERSONAL DETAILS

- Father's Name: **K Venkatesh**
- Mother's Name: **K Indravathi**
- Sex: **M**
- Date of Birth: **14 November 1998**
- Nationality: **Indian**
- Marital Status: **Unmarried**

REFERENCE

- **Harish V Mekali**, Assistant Professor, Department of Electronics and Communication Engineering, BMSCE, +91 95387 65141, hvm.ece@bmsce.ac.in

DECLARATION

I do hereby declare that above particulars of information and facts stated are true, correct and complete to the best of my knowledge and belief.