Anudeep N Rao

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About Me

Student at SDM Institute of Technology

Enthusiastic learner having belief in sustainable development and innovation. Want to develop technologies and products which aid in the better of mankind. I wish to implement my knowledge in fields like electronics, computers, communications and basic sciences in achieving the above.

Education

10th Standard

Kendriya Vidyalaya NAL   Graduated, May 2013
CBSE   9.2 [CGPA]
Bangalore, Karnataka

Pre University, PCME

SMGH Jain PU College   Graduated, June 2015
Karnataka PU board   74%
Bangalore, Karnataka

Bachelor of Engineering, Electronics and Communication

SDM Institute of Technology   Graduated, June 2019
VTU   65%
Ujire, Karnataka

Internship

Project Intern   July 2018 - August 2018
Bosch India
Bangalore, Karnataka

Experience

Lead Engineer   August 2018 – June 2019
Abhyuditha Tech Solutions Pvt Ltd
Ujire, Karnataka

Training and Certifications

- Industrial Automation, Indwell Automation, 2017
- Advanced C++, Spoken Tutorial Project, IIT Bombay, 2019

Skills

- Web Development
- Microsoft Office
- Image Processing
- Vector Graphics
- Internet of Things (IoT)

- Analog and Digital Circuits
- Finite Elemental Analysis
- Computational Fluid Dynamics
- Ladder logic
- XAMPP

Computer Proficiency

Operating Systems
- Windows
- Ubuntu
- Kali
- Fedora
- Redhat Enterprise

Software
- Adobe Photoshop CC
- Autodesk Fusion
- Keil µVision
- Microsoft Office
- Adobe Premiere Pro
- Corel Graphics Suite
- Code Composer Studio
- MATLAB

Engineering Skills

Languages
- Verilog HDL
- Processing
- Sketch
- Embedded C
- x86 Assembly
- ISO C++
- ANSI C

CMS
- Drupal
- Wordpress

Database
- MariaDB
- SQL

Web Servers
- IIS
- Apache

Development Tools
- MS Visual Studio
- Eclipse

Hardware
- Xilinx Spartan
- Intel 8086
- Arduino
- MSP430

Projects and Publications

- **Module Based Operating Systems** – NOSCONF 2016 International Open source conference

- **Swastik Fractal Microstrip Antenna**   2018-08 to 2019-06
  Proximity coupled Microstrip Antenna with two iterations of swastik fractal implemented on copper

  patch

along with **EBG** (Electromagnetic Band Gap) structures of plus shape for noise reduction.

- **ATM type authentication system** 2016-08 to 2016-09

   Binary equivalence checker using only basic gates used as accessing device to control solenoidal locks or digital security systems

- **Underwater Drone** 2015-09 to 2016-04

   Body and casing made using cans and galvanized iron sheets to withhold high pressure and wired control and power supply due to cost constraints.

- **Rubber tapping machine** 2017-11 to present

   A simple to use device to tap the latex from rubber tree. It reduces the need for skilled labour and hence reducing costs.

- **Digital storage oscilloscope** 2017-01 to 2017-03

   DSO made using Atmega 428 microcontroller having single channel, 5 KHz bandwidth.

- **Digital Precision Oscilloscope** 2017-03 to present

   DPO implemented using 0808 8-bit high speed (60 Msps) ADC and MSP430G2 series ultra-low power microcontroller.

Languages

- English
- Kannada
- Hindi

Personal Details

Father's Name:	Dr. Jala Nanjundeshwara	Marital Status:	Single
DOB:	March 14, 1997	Nationality:	India
Gender:	Male		

Declaration

I, Anudeep N Rao, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.