

# Suraj Singh

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## EDUCATION

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- **R V College of Engineering** Bangalore  
*Electronics and Communication Engineering; GPA: 6.65* *Dec 2019 - Sept 2023*
- **Sandur Polytechnic** Sandur, Ballari  
*Diploma in Electronics and Communication Engineering; Percentage: 91.81* *Jun 2017 - Oct 2019*
- **SFS High School** Koppal  
*Class X Percentage: 91.52* *Mar 2016 - Apr 2017*

## SKILLS SUMMARY

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- **Languages:** C++, Python, C, SQL, Unix scripting, Embedded C, MATLAB, HTML, CSS, XML
- **Tools:** MATLAB, LabVIEW, MySQL, MultiSim, Cadence, Xilinx Vivado, QualNet, Packet Tracer, PCB Circuit Design, Keil, Proteus, Android Studio

## PROJECTS

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- **FPGA Implementation to Ascertain Benign and Malignant Tumors by MRI Processing** Bangalore  
*Design Engineer and Software Developer* *May 2022 - Sept 2022*
  - **Image Conversion:** Designed and developed a program to perform image conversion from JPG/JPEG to Hex file and vice-versa using MATLAB Live editor
  - **Edge Detection:** Designed and developed a module to perform edge detection Sobel algorithm using Verilog code.
  - **Tumor Analysis:** Designed and developed a analysis service which is responsible for analyzing the tumor size, type and its density using MATLAB GUI.
- **SMART CANTEEN: ORDERING AND MANAGEMENT SYSTEM** Bangalore  
*Software Developer* *Apr 2021 - Aug 2021*
  - **WEB Application:** Designed front-end Web Application using Visual Studio and developed a SQL database for storing and retrieving of Order and Customer Details using MySQL.

## HONORS AND AWARDS

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- Completed Diploma in Electronics and Communications with Gold Medal, 2017-2019.
- Secured first place in Programming Using C in the SAN-TECH Mantra event organized by Sandur Polytechnic, 2019.
- Secured 85th Rank in DCET conducted by KEA, 2019.