



ABHINAV SUSHIL PAWAR

UNDERGRADUATE IN ECE

CONTACT



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'Sanskriti', Plot No. 47,
9th cross Bhagyanagar, Belagavi,
590006, Karnataka

SKILLS

Microsoft Office
Arduino
Cadence
LTSpice
Proteus

Java
MATLAB
C-Programming
Python

Microsoft Office

EDUCATION

BE in Electronics and Communication

**KLE Technological University,
Hubballi**

2021 - 2025

9.03 CGPA

Pre-University (Class 12)

**Raja Lakhamagouda PU
College of Science, Belagavi**

2019 - 2021

98.00%

KCET Rank 8576 (Engg)

SSLC (Class 10)

**KLS English Medium High
School, Belagavi**

2009 - 2019

98.88%

NTSE Score: 119

OBJECTIVE

Optimistic, organized and hardworking student and relentless learner studying in Analog VLSI domain. Looking to take advantage of my skills in leadership and problem solving in making a difference. Experienced in managing teams and being a team worker for various organizations and initiatives. Adds value to any organization in need of great collaboration, interpersonal and multitasking abilities.

WORK EXPERIENCE

Intern in Python Programming

TechnoHacks EduTech

11/2023 - 12/2023

- Gained practical experience
- Learned from Industry Experts
- Worked with a team of domain experts

Intern in Robotics

Kodacy

03/2023 - 04/2023

- Explored the working and programming of various robotic elements in this 15 days internship program on 'Robotics'

ROLES AND LEADERSHIPS

Co-curricular Secretary

Electronics Association

07/2023 onwards

- Been a part of planning and execution of Teachers' day celebration, with management of MoC and content writing
- Successfully organised 'Quiz Quest Think Tank' - Intra Department Quiz Competition as a part of 3-days 'Tri-verve Fiesta'

Co-ordinator and Class Representative

RLPUCS Class Committee

08/2019 - 07/2021

- Collaborated, being the Class Representative, to organize 'Kalanjali' - college fest
- Amassed participants through interesting selection processes

President

Interact Club - Rotary Sponsored Club

08/2019 - 07/2021

- Conducted 'Eucharisteo' - a Philately exhibition cum Competition for school students.
- Organised 'Rudra Tandav' a dance competition based on Indian culture and art forms.
- Workshop for developing Leadership skills
- Planted and maintained saplings in and around school campus

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LANGUAGES

English	<div></div>
Hindi	<div></div>
Marathi	<div></div>
Kannada	<div></div>

COURSES AND CERTIFICATIONS

Design of Active-RC Filters for the Analog Front-End

IEEE 10/2023

MATLAB Onramp

MathWorks 10/2023

Ideation Camp

MiB 07/2023

CMOS & Amp; Digital Design Basics

Ascentsemi R&D 05/2023

Electronics Foundations: Semiconductor Devices

Linkedin Learning 05/2023

Hands-on Design, Assembly and Testing of Regulated DC Power supply

Hubli ESDM Exchange 03/2022

AI Tools Workshop

Be10x 10/2023

MasterClass on Machine Learning

PanTech Learning 10/2023

Machine Learning Algorithms Models and System Integration

IEEE 10/2023

Assistant Head-boy

KLS School Cabinet

2017 - 2018

- Revitalized the responsibilities by being elected as the Asst. Head boy of the school
- Redesigning the flow of school assembly
- Coordinated various events and activities: like Kredenz - cultural fest, Foley Art show, etc

Delegate of Croatia (UNGA)

MUN (Model United Nations)

06/2021

- As a part of Global Leaders-Model United Nations, was the Delegate of Croatia for the three-day event
- Advocated the discussions for consensus of the agenda - Eradication of Global Terrorism (UNGA)

PROJECTS

Lumen - The IC Tester

01/2023 - 03/2023

Built and implemented a digital IC Tester which checks for the flawless working of digital ICs giving a detailed analysis of the IC chip state and its working in our own mobile application. This was presented in Pupa 2k22-23 organized by MiB

BandGap Reference (BGR)

11/2023

Design of Band-Gap Reference (BGR) - Current Reference and implementation on Cadence Virtuoso tool (180nm) with features to minimize power consumption, noise & drift, improve size and packaging and stabilize output impedance and load regulation.

Meshmerize (Maze solving bot)

10/2022 - 12/2022

Constructed an autonomous bot using Arduino Mega 2560 which could run through an unknown maze to its end point and solve it in minimum time. Participated in Techfest '23, IIT Bombay, and was in top 5 teams in the final round

Optimum spray coverage over uneven terrain and varying crop height

06/2023 - 07/2023

Implemented using ARM7TDMI, to ensure consistent, optimum spray coverage over uneven terrain and varying crop height, and to prevent the boom from impacting crops or soil, its height must be monitored and adjusted. Immune to the effects of dust, dirt, and chemicals, and able to detect surfaces of any color with identical accuracy. Implement such a system.

Recognition of Isolated Monophonic musical instrument sounds and vocals

10/2023

Implemented by Digital Signal Processing using MATLAB. A key component of audio signal processing is monophonic pitch recognition, which is the process of identifying individual musical notes in an audio stream. Regardless of the instrument or source, the ability to recognize single note frequencies is essential for audio applications, transcription, and music analysis.