

# VIKRANT CHAUHAN

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## Education

<b>NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA ,SURATHKAL</b> <i>Bachelor of technology(Electronics and Communication Engineering)</i>	<b>12/21 – present</b> <i>CGPA: 6.66</i>
<b>JAWAHAR NAVODAYA VIDYALAYA, BENGALURU URBAN KARNATAKA</b> <i>INTERMEDIATE</i>	<b>04/2018 – 04/2020</b> <i>Percentage: 89.2</i>
<b>JAWAHAR NAVODAYA VIDYALAYA,MAU UTTAR PRADESH</b> <i>HIGH SCHOOL</i>	<b>04/2016 – 04/2018</b> <i>Percentage: 90.8</i>

## Technical Skills

**Languages/Database:** C/C++,DSA ,OOPS ,HTML,CSS,JavaScript,MySQL,Python,  
computer networks,Database design

**Software & Tools:** VS Code,GitHub,Altium designer, LT-Spice

## Soft Skills

Communication,Time management,Problem-solving,Teamwork,Creativity,Adaptability

## Projects

**Portfolio** | HTML,CSS, JavaScript | Apr–present [GitHub Link](#)

- Creating my portfolio website was a pivotal project that underscored the importance of an online presence in today's digital landscape. The successful completion and positive reception of the site reflect my dedication to quality, user-centric design, and continuous improvement.

**Language Detection** | Python,langdetect,and Google Speech Recognition API. | Nov – feb 2024 [GitHub Link](#)

- Developed a Python-based application to detect and identify languages from audio files and live microphone input.
- Created a robust tool capable of accurately detecting and identifying spoken languages from various audio inputs.

**NITK Racing project** | altium designer, LT-spice | May – dec 2023

- BSPD circuit–The Brake System Plausibility Device is a safety-critical circuit designed to enhance the reliability and safety of an automotive braking system.
- Developed the schematic and layout of the Brake System Plausibility Device using Altium Designer and LTspice.
- Performed extensive simulations using LTspice to validate circuit performance.

## Coding Profile

**LeetCode** [Profile link](#)

## Certifications

**National Chess Championship** | [Certificate link](#) **2016**

- Participated in the National Chess Championship in 2016, showcasing strategic thinking and competitive skills.

**Dakshana Foundation** | [Certificate Link](#) **2018**

- As a scholar of Dakshana foundation, which accepte less then 1 percentage of JNV students from across the India.

**Formula Bharat 2024** | [Certificate link](#) **2024**

- Participated in Formula Bharat 2024, contributing to the design and development of a high-performance race car. Gained hands-on experience in engineering, teamwork, and project management.

## Extra Curricular Activities

### NITK Racing (club)

- Student member of electronics and embedded subsystems.
- working with the team on building a formula styled car for track racing.
- Played a pivotal role as an Electronic and Embedded Systems team member in Formula Bharat 2024.

### Others

- Qualified JEE Advanced 2021,Top 2 percent of 1 Million+candidates
- Represented as a valued member of the national chess team, honing my strategic thinking, decision-making abilities, and teamwork skills.
- ENGINEER NITK : Contributed as a team member in the one of the biggest technical fest of our college ,fostering creativity, teamwork, and event management skills.