# Manish Singh



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New Delhi, India 🛛 💡

Strong in design and integration with intuitive problem-solving skills. Proficient in C, C++and Python Passionate about implementing and launching new projects. Ability to translate business requirements into technical solutions. Looking to start the career as an entry-level software engineer with a reputed firm driven by technology.

93%

### **EDUCATION**

)	B.Tech(Electronics and Communication) Krishna Engineering College	
	2019 - 2023	69% (till 6th semester)
)	Intermediate Nav Uday Convent Sr. Sec. School 2018 - 2019	70%
)	<b>High School</b> The Dev Public Sr. Sec. School	

2016 - 2017

### PROJECTS

#### Squat Counter (2022)

- Created AI powered Squats Counter using pose estimation to assist with self workout.
- Used mediapipe and Python to detect different poses from webcam feed.
- Rendered the results to the screen using OpenCV.
- Calculated the joint angles by extracting the joint co-ordinates

### E-Cycle

- Made an E-Cycle with some advanced features like antitheft and parental control.
- Worked on the anti-theft and battery management part in the product.
- Anti-theft was a basic RF-ID lock.
- Also used IoT for sending alerts to the user in case of security threat.
- To reduce the cost consumption, created the battery on our own. Also used battery management system to increase the battery life

### CERTIFICATES

Machine Learning with Python

NIELIT, Haridwar 10/2021 - 11/2021

Completed certification for Machine Learning with Python from NIELIT, Haridwar

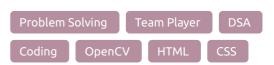
MATLAB Onramp Mathworks

07/2021 Completed certification for basics of MATLAB from Mathworks

### Signal Processing (07/2021) Mathworks

07/2021 Completed certification for signal processing from Mathworks

### SKILLS



### PROGRAMMING LANGUAGES

C, C++, Python, MATLAB

### ACHIEVEMENTS

Patent Publishes for Ideation (E-cycle) (02/2021) Filed patent for the E-Cycle project. Application Number -202211005

Received Silver star for C language (2021) Hackerank

Reached level 5 In Code Studio (2022) Code Studio

# LANGUAGES

English Full Professional Proficiency

Hindi Native or Bilingual Proficiency

# INTERESTS

Gaming

A Music