

# VISHAL SIWACH

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<https://vishalsiwach59.github.io/>

<https://github.com/vishalsiwach59>

## EDUCATION

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### Indian Institute of Technology, Mandi

Bachelor of Technology

Department of Computer Science and Engineering

*August 2018 - Present*

CGPA: 7.84/10

### Nalanda International School, Gohana

Senior Secondary, CBSE

*April 2015-March 2017*

Percentage: 86.4

## PROJECTS

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### Child Soldier

A deep learning model to identifying child soldiers through automatic age and military fatigue detection

### Weather App

Collaboratively created a web app as final project of CS-207 with PHP, MYSQL to display min, max, and average temperature within a range of days. Also to show a graph of temperature.

### Mountain cycle

A machine learning model to detect the appropriate gear based on altitude, calories, HeartRate, velocity gradient.

### Cash Your Trash

Currently working on a self project with team on Segregation of waste alongside virtual transaction of coins through face recognition or biometric.

## SKILLS

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### Computer Languages

C/C++, Python, JavaScript, SQL

### Data Science

Pandas, Scikit-Learn, Numpy, Matplotlib, Tensorflow, keras

### Web Development

HTML, CSS, React, Node.js

## RELEVANT COURSES

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### Core Courses

Data Structure and Algorithms

Applied Databases Practicum

Information and Database Systems

Data Science I II III

### Other Courses

Discrete Mathematics

Linear Algebra

Mathematical Foundations of Computer Science

Essentials of Entrepreneurship

## ACHIEVEMENTS

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Scored 2334 rank in IIT-JEE Advanced

U-14 State Level Runner-up in Cricket, Haryana

## EXTRA-CIRRICULAR

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Member of Guiding and Counselling Services, IIT Mandi

Former Co-ordinator of National Service Scheme, IIT Mandi