

VISHAL SIWACH

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EDUCATION

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

Talk and Fork

Developed an app on which students can post what are the hot topics going in campus. they can like, comment and only people with college id can access. (Express, Node JS, Firebase, Redux, React, Material-UI)

Space Optimization

A hashing based solution for a real world problem which automatically detect duplicates and remove it from your device. (Python, CV, Numpy)

Weather App

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

Automatic Gear

A machine learning model to detect the appropriate gear based on altitude, calories, HeartRate, velocity gradient. (Python, Pandas, Numpy, Sklearn)

Cash Your Trash (Ongoing)

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

SKILLS

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

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

Scored 2334 rank in IIT-JEE Advanced

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

EXTRA-CIRRICULAR

Member of Guiding and Counselling Services, IIT Mandi

Former Co-ordinator of National Service Scheme, IIT Mandi

Member of Exodia Sponsorship team, IIT Mandi