

# HRUSHIKESH SARODE

## Computer Science Undergraduate

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📍 Mandi, India

🔗 [github.com/hrishi32](https://github.com/hrishi32)

## EXPERIENCE

### Web Developer

#### BioX Lab (IIT Mandi)

📅 June 2018 – Sept 2018

📍 Mandi, India

- A portal for lab equipment booking.
- Worked on PHP framework Laravel, used calendar API. Involved slot allotment and LDAP user authentication.
- Used technologies like PHP, JS, CSS, HTML. Project was done in team of 2.
- It is now hosted on IIT Mandi Intranet.

## ACHIEVEMENTS

- Secured third position in TopCoder Hackathon.

## SKILLS

- **Languages:** C/C++, Python, Scala, shell, Assembly, Arduino
- **Python Libraries:** Tensorflow, Keras
- **Web:** PHP, MySQL, JavaScript, CSS, HTML
- **Markups:** Latex, Markdown
- **Others:** Git, Linux

## EDUCATION

### B.Tech in Computer Science and Engineering

#### Indian Institute of Technology, Mandi

📅 Aug 2016 – Present

📍 Mandi, India

### High School Science

#### PVP Junior College, Pravaranagar

📅 May 2015

📍 Ahmednagar, India

### Class 10th

#### New English School, Kankuri

📅 May 2013

📍 Ahmednagar, India

## RELEVANT COURSEWORK

Deep Learning and Applications

Paradigms of programming

System Practicum

Artificial Intelligence

Communicating Distributed Processes

Advanced Data Structure and Algorithm

Information and Database Systems

Computer Organization

## PROJECTS

### Core Point Detection in Fingerprints

- Designed neural network to find "Core Point" on a fingerprint image captured through different sensors.
- Used sequential convolutional neural network that has given 97% accuracy on training and 94% on testing.
- Used python library Keras to implement.

### Application Process Web Portal

- Portal for processing product making requests. Interactive User Interface with uploading the CAD model of the product.
- Built on PHP framework Laravel.

### Financial Money Management and Tracking Tool

- Software that helps to Manage and Track money inside an Institute.
- Can also be used to generate bills or document them and all of this can be monitored by a third person hence the utility.
- All the transactions happening are now documented and can be audited(a feature).
- Was done in a team of four and built from scratch using PHP, AJAX, HTML, CSS and MySQL.

### Sharing and Auction Platform

- Website that enables the crowd of IIT Mandi to Optimize the use of all the resources that are within the college by sharing them within a group or by selling them of at the best price that can be achieved within the college.
- The project was done in team of four.
- Built from scratch using PHP, AJAX, HTML, CSS, MySQL.

### Blockchain Based Documenting Software

- Software that creates a platform for Forgery proof documenting and storage using Blockchain.
- The Software was implemented by manipulating a Ethereum Smart contract and passing various encrypted user data along the transaction.
- Grabbed 3rd prize for a Block-Chain based Software in the Topcoder Hackathon.
- This project was done in a team of Three and was built using PHP, HTML, CSS and involved Solidity, encryption-decryption.

### A System for Accident Free Roads

- A product that enables a user to handle traffic on hilly roads having sharp turns.
- Used arduino and accelerometer to detect vehicles and process the data.