

# Hrushikesh Sudam Sarode

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## EDUCATION

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- **Indian Institute of Technology Mandi** Mandi, India  
*Bachelor of Technology in Computer Science Engineering; CGPA: 6.65/10.0* Aug. 2016 – Present
- **PVP Junior College, Pravaranagar** Ahmednagar, India  
*High School; Percentage: 77.8* May 2015
- **New English School, Kankuri** Ahmednagar, India  
*Class 10th; Maharashtra State Board; Percentage: 78.73* May 2013

## PROGRAMMING SKILLS

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- **Languages:** C, C++, shell, Assembly, Arduino
- **Web:** PHP, MySQL, JavaScript, CSS, HTML
- **Tools/Markup:** git, hadoop (beginner), latex

## PROJECTS

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- **Travelling Salesman Problem:**  
Created a custom code to solve the famous Travelling salesman Problem. The solution was an implementation of Simulated annealing with precisely tuned number of modification. The code was made in C++.
- **Bot to play Othello Game:**  
Bot designed on a given framework. The solution was implemented using alpha-beta and SSS\* algorithms. The code was made in C++.
- **Application Process for Mechanical Workshop, IIT Mandi:**  
Portal for processing product making requests. Built on PHP framework Laravel. Interactive User Interface with uploading the CAD model of the product.
- **Lab Equipment Booking Portal, BioX Lab, IIT Mandi:**  
An equipment booking portal for laboratory equipments. Built on PHP based framework Laravel. Webapp to book slots for the equipments by LDAP login. Link: <http://biolab.iitmandi.ac.in> . (Link is accesible from IIT Mandi Intranet only.)
- **Sharing and Auction Platform:**  
The website that enables the people 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. This project was done in a team of four. Built from scratch using PHP,AJAX, HTML,CSS, MY-SQL and involved Server handling.
- **Blockchain Based Documenting Software:**  
Creates a platform for Forgery proof documenting and storage using Blockchain. Grabbed 3rd prize in Topcoder Hackathon. The Software was implemented by manipulating a Ethereum Smart contract and passing various encrypted user data along the transaction. Built using PHP, HTML, CSS and involved Solidity, encryption-decryption.

## RELEVANT COURSEWORK

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- **Artificial Intelligence:** Ongoing
- **Formal Languages and Automata Theory:** Ongoing
- **Large Application Practicum:** Ongoing
- **Communicating Distributed Processes:** Ongoing
- **Advanced Data Structure and Algorithm:** Nov 2017
- **Information and Database Systems:** May 2018
- **Computer Organization:** May 2018
- **Applied Database Practicum:** Nov 2017

## AWARDS

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- **TopCoder Hackathon:** 3rd Position in 20 Teams