

# Shreyas BAPAT

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: Gwalior, India | 09 April 1999  
ADDRESS: 101,G3,Suvalsar Hostel, South Campus, IIT Mandi, Mandi, India-175005  
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GITHUB: <https://github.com/shreyasbapat>

## WORK EXPERIENCE

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*Current* | Teaching Assistant in IC250-Programming and Data Structure Practicum  
FEB 2018 | *Indian Institute of Technology , Mandi*

## POSITIONS OF RESPONSIBILITIES

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*Current* | Co-ordinator at SPACE TECHNOLOGY AND ASTRONOMY CELL IIT Mandi  
JULY 2017 | *Science and Technology Council(SnTC), Student Gymkhana*

*Current* | Core Team Member at ROBOTRONICS CLUB IIT Mandi  
JULY 2017 | *Science and Technology Council(SnTC), Student Gymkhana*

*Apr 2017* | Event Co-ordinator at EXODIA 2K17 IIT Mandi  
FEB 2017 | *Strip-Mics*

## EDUCATION

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*Current* | Bachelor of Technology, **Indian Institute of Technology Mandi**, India  
AUGUST 2016 | Major: Electrical Engineering

JULY 2016 | Senior School Certificate Exam , **Central Board of Secondary Education**, New Delhi  
PERCENTAGE: 93.4

JULY 2014 | Secondary School Certificate Examination, **Central Board of Secondary Education**, New Delhi  
CGPA: 10/10

## PUBLICATIONS

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- Aggarwal, V., **Bapat, S.**, Kadela, N., Kumar, P., Matta, R., Yadav, N. (June 2017) "Projecthiko 1.0 - The Voice and Internet Enabled Smart Home" IJETS ISSN: 2394-3386.

## PROJECTS

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DEC. 2016	Distributed Electrical Generation ( Under the guidance of Dr. Ramesh Oruganti , Emeritus Professor, IIT Mandi)
JAN. 2017	BAIKART®: (AN ONLINE PLATFORM) Hiring Servants and related issues.
JUNE 2017	Projecthiko 1.0 - The Voice and Internet Enabled Smart Home: (IOT AND VOICE RECOGNITION)
JULY 2017	Night Sky Object Randomizer
NOV 2017	Exoplanet Detection( Classification of stars and exoplanets and not using Machine Learning
DEC 2017	Orbital Simulator( Simulating the orbits of various asteroids and making a program to compute the collisions
JAN 2018	Fabric Detection - Classification and Matching ( Detection and Classification of Fabrics by Deep Learning)
JAN 2018	Alt-Az Generator ( Live alt-az generator for any object in sky for automating a telescope)
CURRENT	Detection of Egocentric Video and Non-Egocentric Video

## COURSE WORK

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IC150 - Computation for Engineers  
IC250 - Programming and Data Structure Practicum  
IC161 - Applied Electronics  
CS202 - Data Structure and Algorithms  
EE311 - Device Electronics for Integrated Circuits  
IC260 - Signals and Systems

## LANGUAGES

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MARATHI: Mothertongue  
ENGLISH: Fluent  
HINDI: Fluent

## COMPUTER SKILLS

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Basic Knowledge: mysql, Java , JavaScript, Flask  
Intermediate Knowledge: PHP, C, HTML, CSS, ~~TEX~~TEX, C++, Linux-Ubuntu, Python

## INTERESTS AND ACTIVITIES

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Deep Learning, Open-Source, Programming, Machine Learning, Software Development  
Astronomy, Astrophysics, Sky-Gazing, Theory of Relativity, Astrodynamics  
Football, Cricket, Travelling, Hiking

## AWARDS

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1. Aryabhat Astronomy Quiz - Rank - 5 | 2013
2. Aryabhat Astronomy Quiz - Rank - 2 | 2014
3. 5th Inter IIT Tech Meet | Eyes on the Sky | 4th Position for IIT Mandi | 2017
4. 1st Prize Technex, IIT BHU | Event - Exploring the Interstellar | 2017
5. Presented a Paper in International Conference ICETSMI in IETE, Delhi.
6. 6th Inter IIT Tech Meet | Orbital Simulator | 5th Position for IIT Mandi | 2018