Shreyas Bapat

http://students.iitmandi.ac.in/~b16145/

b16145@students.iitmandi.ac.in | bapat.shreyas@gmail.com | (+91) 973 621 0570

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY MANDI
BTech in Electrical Engineering
Expected Jun 2020 | Mandi, India
Cum. GPA: N/A

MISS HILL H. SEC. SCHOOL
Grad. March 2016 | Gwalior, India
Central Board of Secondary Education
Percentage : 93.4%

KENDRIYA VIDYALAYA NO. 1
Grad. March 2014 | Gwalior, India
Central Board of Secondary Education
CGPA : 10

LINKS

Github:// **shreyasbapat**
LinkedIn:// **shreyasbapat**

COURSEWORK

UNDERGRADUATE
Computation for Engineers
Programming and Data Structure Practicum
(Teaching Asst)
Data Structures and Algorithm
Computer Organisation
Device Electronics
Signals and Systems
Design Practicum
Deep Learning
Applied Electronics
Network Theory

SKILLS

PROGRAMMING
Intermediate:
Python • Shell • C • C++
HTML5 • LaTeX • CSS3 • Ubuntu
Beginner:
JavaScript • PHP • MySQL • Assembly

INTERESTS

Deep Learning
Machine Learning
Open Source Development
Astrodynamics
Astrophysics
Astronomy

EXPERIENCE

TEACHING ASSISTANT | IC 250 - Programming and Data Structure Practicum
Feb 2018 - June 2018 | Dr. Padmanabhan Rajan

PROJECTS

POLIASTRO | Open Source Contributor
Jan 2018 – Present | IIT Mandi, India
Contributed to a Open Source Python library, Poliastro - a library for orbital mechanics and related computations.

FABRIC DETECTION | Undergraduate Research
Jan 2018 – Present | IIT Mandi, India
Worked with Dr. Aditya Nigam to create Fabric Detection, a deep learning approach to classify and match different fabrics using their microscopic images.

ORBITAL SIMULATOR | Developer
Jan 2018 | IIT Madras, India
This Orbital Simulator was made as a part of Inter IIT Tech Meet. It computed the nearest distance of Asteriods to Mars for the period of 5 Years.

PROJECTHIKO 1.O | Developer
Feb 2017 – May 2017 | IIT Mandi, India
Lead the development of Projecthiko 1.O - The Voice and Internet Enabled Smart Home, the cheapest home automation system. It was presented i n Aavishkar 2k17 as a project for course IC161P- Applied Electronics Lab.

PUBLICATIONS

PROJECTHIKO 1.O - THE VOICE AND INTERNET ENABLE SMART HOME | Co-Author
June 2017 | IJETSR ISSN: 2394-3386
Aggarwal, V.,Bapat, S., Kadela, N., Kumar, P., Matta, R., Yadav, N.

AWARDS

Year	Rank	Event
2013	5th/7500	Aryabhat Astronomy Quiz
2014	2nd/8200	Aryabhat Astronomy Quiz
2017	1st	Technex-Exploring the Interstellar, IIT BHU
2017	4th	Eyes on the Sky - Inter IIT Tech Meet, IIT Kanpur
2017	Presented a paper	International Conference ICETSMI at IETE, Delhi
2018	5th	Orbital Simulator - Inter IIT Tech Meet, IIT Madras

RESPONSIBILITIES

CO-ORDINATOR | Space Technology and Astronomy Cell
June 2017 - Present | IIT Mandi, India

CORE MEMBER | Robotronics Club
June 2017 - Present | IIT Mandi, India

EVENT CO-ORDINATOR | Strip-Mics, Exodia
April 2017 | IIT Mandi, India