

VISHAL ANAND

Room No 010, Suvalsar Hostel G4, IIT Mandi, South (Kamand) Campus – 175005

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EDUCATION:

2016-2020 Indian Institute Of Technology, Mandi - *B.Tech in Computer Science*
GPA : 8.88 (Till 3rd Sem)
2007-2016 Delhi Public School Varanasi
X – 10 CGPA, XII – 94.2%

RELEVANT COURSEWORK:

Computer Organization, Information and Database Systems (IDS), Data Structures and Algorithms, Probability Statistics & Random Processes, Mathematical Foundation Of Computer Science, Applied Database Practicum, Programming and Data Structure Practicum, Linear Algebra, Computation for Engineers.

SKILLS:

- Languages: [C,C++,MySQL] (More experience). [Java, HTML, CSS, PHP, JS, Python, MongoDB] (Less experience).

RESPONSIBILITIES:

- ACM Student's Chapter Coordinator **Aug 18- June 19**
- Teaching Assistant for the course Programming and Data Structure Practicum **Feb 18- June 18**
- maniAC's (Competitive Programming at IIT Mandi) Core Team Member **2018**
- Joint Sports Secretary **Aug 17- June 18**
- Cricket Secretary **Aug 16- June 17**

PROJECTS AND WORK:

- SearchGuru : Platform providing information of all the professors amongst all the IITs** (*MongoDB, ExpressJS, Angular, NodeJS, HTML, CSS*) **May 2018**
IDS Project @ IIT Mandi
The webapp uses a Web-Scraping technique to get the data from individual website of corresponding institutes. It provides important information about expert's background, contact, address, experience, scholarly publications, skills and accomplishments, researcher identity, etc.
https://github.com/Vishal1541/search_guru
- ASM : Automatic Stamping Machine + PDF converter** (*Raspberry Pi 3, Python*) **May 2018**
Design Practicum @ IIT Mandi
An automatic stamping machine which has the flexibility to set the stamping position by controller and by computer. After stamping of each page at the particular position, its picture is clicked by PiCamera and converted to .jpg . When done with all the pages, all the jpg files are converted into the pdf so as to keep the backup of all the originals stamped.
Final Report : <https://drive.google.com/file/d/1Rtd1HIVQHS55rThlXecWl3s6Dru4GF87/view>
Working Video : <https://drive.google.com/file/d/17Lar-C3aE1eOFvdXh5LPgz54dE8b5bmn/view>
- CodeManiac : An Online Judge** (*PHP, C++, HTML, CSS, MySQL*) **Nov 2017**
Applied Database Practicum Project @ IIT Mandi
Developed an Online Judge like SPOJ from scratch featuring live ranklists, users submissions history and statistics showing their overall performance, problems sorted w.r.t number of submissions/ accuracy.
<https://github.com/Vishal1541/code-maniac>
- Anugami : A Human Following Robot** (*Android Studio, Java, Arduino*) **May 2017**
Avishkar @ IIT Mandi
Created a Human Following Robot which follows the user carrying the smart phone. The GPS signals from the phone gets converted into Latitudes and Longitudes. Further the distance moved and the angle rotated is calculated with the help of inbuilt magnetic motion sensors and the final instructions are sent via Bluetooth to the robot.
<https://github.com/Vishal1541/HumanFollowingRobot>
- Digibrary** (*Android Studio, Java, SQL*) **2017**
Hackathon @ IIT Mandi
Developed an android app for Library Management System in a 24hr Hackathon held in the college. It recommends the user (student) a list of relevant books on the basis of prior information he/she has fed like Semester and Core subjects.
- Sports Shop Management Software** (*Java, MySQL*) **2015-2016**
DPS Varanasi
Developed for the manager to deal with and customer for purchasing Sports Items from the shop in my Class 12th IP (Informatics Practices) final project.

HONORS AND AWARDS

Jan 2018: **CodeRaids @ IIT Mandi - Hackerearth**, Runner Up in IIT Mandi
<https://www.hackerearth.com/challenge/college/coderaid/leaderboard>
Dec 2017: **ACM - ICPC 2017**, Represented IIT Mandi at ACM - ICPC 2017 at Kharagpur Regionals onsite round.
<https://icpc.baylor.edu/ICPCID/5H1EOXPW39LC>
Nov 2017: **TopCoder - Algorithm Round @ IIT Mandi**, Scored Rank 9 in IIT Mandi
Aug 2017: **NPAT (National Programming Aptitude Test) - 2017**, Organised by NPTEL : scored 800/800 and a 94 percentile.
https://npat.nptel.ac.in/npat_2017/certificate?id=106083595342691486853
2015-2016: **Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship Award - 2015**, scoring AIR 737 (Stream SX) after clearing both the rounds (Aptitude test and Interview Round). Roll No : X135010091
<http://www.kvpy.iisc.ernet.in/main/resources/2015-fellowships/2015-SX-GEN.pdf>
2015-2016: **Zonal Rank 3 in 18th SOF NSO**, in Uttar Pradesh & Uttarakhand Zone : Brone Medal and Prize Cheque – Rs. 1000/-.
Roll No : UP1089-12-007