

Hritik Gupta

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY

B.TECH | COMPUTER SCIENCE AND ENGINEERING

2016-2020 | Mandi, H.P.
Cum. GPA: 8.68(1st Year)

DELHI PUBLIC SCHOOL

SENIOR SECONDARY EDUCATION

2013-15 | Mathura Road, Delhi
CBSE AISSE: 95.2%

DELHI PUBLIC SCHOOL

ELEMENTARY & SECONDARY EDUCATION

2001-2013 | Greater Noida, U.P.
CBSE AISSE: CGPA-10

LINKS

Github:// [hritikgupta](#)
LinkedIn:// [hritikgupta9](#)
Facebook:// [hritik.gupta.540](#)
StackOverflow:// [hritik-gupta](#)

COURSEWORK

UNDERGRADUATE

Computation for Engineers
Data Structures and Algorithms
Advanced Data Structures and Algorithms
Computer Organization
Applied Electronics
Electrical Systems Around Us
Design Practicum

SKILLS

PROGRAMMING

Over 5000 lines:

C/C++ • Python • HTML/CSS
Javascript • jQuery • MySQL/PHP

Over 1000 lines:

Bash Scripting • Java • \LaTeX

Familiar:

Android • Django

CAD Modelling (SolidWorks)

Adobe Photoshop • Adobe AfterEffects

GNU Octave • Scilab

Others:

German • Sketching • Painting

Creative Writing

EXPERIENCE

ASSISTECH, IIT DELHI | PRODUCT DESIGNING INTERN

December 27, 2016 – February 9, 2017 | IIT Delhi

- Carried out dissertation titled "Designing an OCR based reading stand for visually impaired" with Prof. M. Balakrishnan as co-mentor
- Analyzed various commercial reading stands in terms of design, accessibility and affordability
- Designing a reading stand with a phone holding mechanism conforming to following specifications: fold-able, portable, height-adjustable, compact
- Created a CAD of stand and Built an offline speech recognizing Android Application to trigger camera for performing OCR

PROJECTS

HOSTY-THE AUTOMATED ROOM | AAVISHKAR'17 PROJECT

April 2017 – May 2017 | IIT Mandi

- The project was aimed at automating various facets of room : controlling lights, fans, curtains and door opening, closing and locking using DTMF and Arduino, with a cost-effective and reliable approach
- A calling system with IVR-like input will facilitate controlling the aforementioned, by entering some keycodes

LOOP DETECTOR | A PLUGIN FOR NVDA SCREEN-READER

July 2017 – Present | Self-Project

- A plugin for screen readers to enhance readability of code for visually impaired
- The plugin detects loops and if conditions as the user navigates through the code

PROXY BUD | SCRIPT TO CONFIGURE PROXY IN LINUX

July 2017 – August 2017 | Self-Project

- A script to set system-wide proxy in Linux
- Made using Whiptail to give a better UI touch

AWARDS

2017	1 st /27 teams	Aavishkar'17 IIT Mandi
2017	3 rd /15 teams	Biz Idea Pitching Event IIT Mandi
2016	1 st /9 teams	Maze Runner, Utkarsh'16 IIT Mandi
2016	2 nd /8 teams	LaserTag, Utkarsh'16 IIT Mandi
2015	Medal of Appreciation	National Science & Talent Search Exam
2014	Bronze Medal	National Cyber Olympiad DPS Mathura Road
2013	Gold Medal	Academic Excellence DPS Greater Noida
2013	PASCH Scholarship	3-week German-language course in Frankfurt, Germany
2012	GI-MMB Course	1-week German-language course in Tokyo, Japan

SOCIETIES

2017	Student Coordinator	Entrepreneurship Development Cell, IIT Mandi
2017	Core Team	Robotronics Club, IIT Mandi
2016	English Tutoring Volunteer	Prayas Teaching Programme NSS, IIT Mandi
2016	Teaching Volunteer	Spark, IIT Mandi