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Sophomore (B.Tech)
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EDUCATION

B.Tech in Electrical Engineering (Minor in Computer Science and Engineering) 2015 - Present
Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, India.

- CPI - 8.42/10 (at the end of 4th semester)

Intermediate (+2) - Rani Laxmi Bai School, Lucknow (CBSE India) - 97%

2013 - 2015

High School - Rani Laxmi Bai School, Lucknow (CBSE India) - CGPA 10/10

2011 - 2013

INTERNSHIPS

- **Data Science and Analytics Centre - IIIT Hyderabad** 10 May 2017 - present

– Study and implementation of classification algorithms used in Data Mining.

- **Summer Research Internship Programme - IIT Gandhinagar** May, 2016 - June, 2016

Topic: Person Re-Identification System (Matlab)

Guides: Prof. Shanmuganathan Raman, Prof. Ravi Hegde

– Studied and implemented algorithms to re-identify persons across different frames of a video. The program, written in matlab uses aggregate channel features and VGG-VD models to detect and re-identify person. Kalman Filter is used to track a person. Accuracy achieved was above 40%.

PROJECTS

- **Clipcross:** Created (in a team of 2) a clipboard sharing desktop application. The application, written in python uses the local IP addresses of two computers to share any text or file across clipboards.
- **Election Nomination Portal:** Designed (in a team of 3) a nomination portal for candidates in an election. It is a web application based on Django (Python) and HTML comprising of three stages in which the candidate can fill his details and submit his signature and photograph.
- **Image classification:** Performed clustering and categorization of images based on Wordnet similarity and Image attributes. Images were used from the image-net database. My role was to automate testing (using bash scripts) and train the CNN in matlab.

ACHIEVEMENTS

- Represented IIT Gandhinagar at **ACM-ICPC International Collegiate Programming Contest Onsite Regionals** held at IIT Kharagpur, India after qualifying the online round. [December, 2016]
- Ranked 3459 in the JEE Advanced out of 1.5 lakh candidates and 1580 in JEE Mains out of 15 lakh candidates. [2015]
- Awarded by the Department of Science and Technology, Uttar Pradesh, India for securing the highest marks in Mathematics and Science across the state in the CBSE High school examination.
- Awarded a certificate of merit by the Central Board of Secondary Education, India for being amongst the top 0.1% in the CBSE 2015 board exams (Informatics Practices).
- Cleared National Talent Search Examination, Stage-1. [2013]
- Awarded Dean's List at IIT Gandhinagar for excellent academic performance twice. [2015, 2016]

OTHER ACTIVITIES

- Academic Tutor for the course ES-112, Computing using Python as a part of the Earn while you learn programme at IIT Gandhinagar. 2016
- Officer for Election commission, IIT Gandhinagar. Part of the team that successfully conducted the student body elections for the 2015-16 academic year. 2015-2016
- Event manager for the Events team, Amalthea (Technical Summit of IIT Gandhinagar). Co-coordinated Innovent, DCode and TechKnowQuest. All three events are a part of Amalthea. 2015-2016
- An active member of the Chess club, IIT Gandhinagar.

RELEVANT
COURSES

- **Computer Science** - Data Structures, Algorithms for Data Science, Algorithm Analysis and Design, Introduction to Computer Networking (Short Course).
- **Electrical** - Network Theory, Electronic Devices, Introduction to Analog and Digital Electronics, Introduction to Electrical Systems.
- **Mathematics** - Real and Complex Analysis, Linear Algebra, Partial Differential Equations, Probability.

TECHNICAL
SKILLS

- **Programming languages** - Python, C, C++, Assembly, Bash
- **Other coding skills and tools** - HTML, CSS, Javascript
- **Softwares and Tools** - Git, Latex, Matlab, MySQL, Verilog HDL
- **Operating systems** - Linux, Windows

HOBBIES

Interested in Competitive Programming, Table Tennis, Chess, Watching History Documentaries.