

Experience

May-July **Software Engineering Intern, VLEAD.**

2018 Worked for Virtual Labs under the Ministry of Human Resource Development(MHRD) of the Government of India.Essence of the internship was to come up with a process to mass produce experiments to build online learning platforms like Coursera,which was completed successfully.Played several roles such as Subject Matter Expert, Instruction Engineer and Application Programmer.Built a virtual lab for Stacks and Queues Data Structure using Javascript.

Achievements And Interests

- **Ranked 126th** out of more than 3000 teams in **ACM ICPC** online round, 2018 and qualified for Kharagpur and Amritapuri regionals.
- **Ranked 110th** out of more than 2300 teams in the Round E of **Google Kickstart, 2018**
- Ranked among top 15 Indians and top 30 all over the world in various contests organised by CodeChef
- Qualified for Round 2 in Google Code Jam 2018.

Position Of Responsibility

- Overall Coordinator, Campus life, IIIT-H
- Logistics Head, Felicity, IIIT-H

Projects

B.Tech **Ultimate Tic-Tac-Toe bot for a 4*4*4*4 board, Python, Artificial Intelligence.**

Project AI game bot based on Mini-Max Algorithm with Alpha-Beta Pruning, Iterative Deepening and advanced heuristics.

Bomberman Game, Python.

Developed a replica of the Bomberman game in Python from scratch without the use of external libraries.

Face Classifier, Python, Machine Learning.

Comparing the results of face classification using Naive bayes Classifier and Logistic regression after generating eigenfaces using Principal Component Analysis(PCA).

Linux Shell, C, Operating System.

Personalized bash terminal that executes basic shell commands using system calls in C.

Water Flow Meter, Electronics.

Built a cost-effective electromagnetic water flow meter which can detect velocity of any conducting liquid.

Technical skills

Languages C/C++, Python, SQL, MATLAB, Bash, Verilog
Web/mobile HTML/CSS, JavaScript

Relevant Courses Taken

- Data Structures and Programming
- Machine Learning
- Game Design and Engineering
- Computer Programming
- IT Workshop
- Graph Theory
- Vectors
- Probability
- Group Theory

Education

2016-Present **B.Tech and MS by Research in Electronics and Communication Engineering, International Institute of Information Technology, Hyderabad, .**

2016 **JEE Mains, Scored 224/360 and was among top 0.1% of the country, India.**

2016 **JEE Advanced, Qualified for JEE Advanced 2016 and was among top 0.1% of the country, India.**