

Hritvi Bhandari

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Github:// hritvi | LinkedIn:// hritvibhandari

INTERNSHIPS

OUTREACHY | MOZILLA - FIREFOX ACCOUNTS

May-August, 2019

Responsible for improving and modernizing the user settings web application for Firefox accounts.

VIPLAB, IIT BOMBAY | SUMMER RESEARCH INTERN

May-June, 2018

Made a Face Detection Application in tensorflow(Python) using FasterRCNN in cuda environment.

PROJECTS

KATANA | SDSLABS, IIT ROORKEE

A platform that would automatically deploy the entire infrastructure of attack defence CTFs from deploying microVMs to networking between them, managing the services and the scorebot using Firecracker.

MUZI RECOMMENDATION ENGINE | SDSLABS, IIT ROORKEE

A music recommendation system built using content based collaborative filtering.

CODEVILLAGE | SDSLABS, IIT ROORKEE

codevillage.sdslabs.co

An online competitive programming platform with its own judge; holds regular competitions with intl. participations.

ETHENA | GITHUB: ETHENA

Made an incentive(CryptoTokens) driven decentralized review system which has a voting platform on a public blockchain.

SOTERIA | GITHUB: SOTERIA

Made a platform that helps predict disasters which works even offline(by sending messages) using PredictHQ API and Django.

LIDAR DATASET | SMART INDIA HACKATHON

Worked in aframes to visualize LiDAR dataset(point cloud dataset of upto 200 GB) in VR headset as well as plotted it using AR.

EXTRACURRICULARS

PROGRAMMING AND ALGORITHMS GROUP | PROGRAMMER

August, 2018 - Present

- Responsible for organizing, curating and testing programming problems for competitions, and conducting lectures on Data Structures and Algorithms.

SDSLABS | DEVELOPER

January, 2018 - Present

- Involved in maintaining and developing applications for campus students as well as those open to the internet.
- Regularly conducted hackathons, public lectures, and competitions to foster the technical culture in the campus.

WATCHOUT | CHIEF WEB CO-ORDINATOR

August, 2017 - Present

Responsible for maintaining the website for the official media body of IIT Roorkee.

EDUCATION

IIT ROORKEE

BTECH IN COMPUTER SCIENCE
AND ENGINEERING | THIRD YEAR
July, 2017-May, 2021 | Roorkee, India
Cum. GPA: 8.848/10

S.D. JAIN MODERN SCHOOL

Surat, Gujarat | March, 2017

Class XII(2017): Percentage: 95

Class X(2015): Cum. GPA: 10/10

ACHIEVEMENTS

- Rank 124 in ICPC Asia Amritapuri Regionals 2019
- 1st in India in Visa Code UR Way 2019
- Was selected for Smart India Hackathon finals in 2019
- 45th Rank in world in Google Code Jam IO for women (handle:Hritvi)
- Won a scholarship to attend Open Source Summit + Embedded Linux Conference Europe 2019.
- Won Microsoft Code.Fun.Do online Hackathon, 2018 [Certificate]
- All India Rank 428, Joint Entrance Exam Advanced 2017; 150,000 candidates.

COURSEWORK

Operating System
Database Management System
Compiler Design
Theory of computation
Computer Architecture
Computer Networks
Artificial Intelligence
Data Structures and Algorithms
Object Oriented Programming
Discrete Maths

SKILLS

Rust React C++ Java Python
C PHP JavaScript Node.js
SQL HTML/CSS Jekyll
Git LINUX GDB
VS Code Vim Sublime Text

MISCELLANEOUS

Open Source Enthusiast. Frequently contributes to open source repositories like Mozilla.
Was a part of NSO Basketball in first year.