

# Varun Chhangani

Last Updated on 10th July 2021

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## EDUCATION

### IIIT HYDERABAD

B.TECH + M.S. - CSE

Expected Grad.: July 2023

Cum. GPA: 8.82

### IIIT SRICITY

B. TECH. - CSE

Discont. July 2019 | Chittoor, India

Cum. GPA: 9.66

## COURSEWORK

Digital Image Processing

Data Visualisation

Deep Learning- Theory and Practices

System and Network Security

Optimization Methods

## SKILLS

### PROGRAMMING

Python • C/C++ • Bash • Javascript •

PHP • MySQL

### SRE

Apache2 • Cassandra • Docker •

Kubernetes • Git

### OTHERS

Pytorch • Tensorflow • Android Dev. •

Linux • Raspberry Pi • Arduino

## ACHIEVEMENTS

- Expert on Codeforces (Username varunchhangani)
- Gave a presentation on implementation of Quantum Circuits using QISKit
- 1<sup>st</sup> Rank in Hack The Code Contest, Techfesias 2018
- 3<sup>rd</sup> Rank in FCWS Contest, Techfesias 2017
- Successfully emulated a few clusters with 5 Nodes (Using docker and kubernetes)
- Qualified for INOI 2017 Based on INOI 2017

## LINKS

Github:// [chhanganivarun](#)

LinkedIn:// [varun-chhangani](#)

[chhanganivarun.github.io](#)

## EXPERIENCE

### FELICITY 2021 | CORE ORGANIZING TEAM

January 2021 – March 2021 | IIIT Hyderabad

- Handled the planning and execution of Felicity, the Annual Techno Cultural Fest of IIIT Hyderabad.
- Headed the Jagruti talks organizing committee.

### PRODUCT LAB | SOFTWARE ENGINEER

January 2020 – April 2020 | IIIT Hyderabad

- Built a mobile application that provides an UI for monitoring the Blood Pressure recieved from a bluetooth connected ECG and PPG sensor.

### SASG GROUP - IIT INDORE | BTech RESEARCH INTERN

May 2019 – July 2019 | IIT Indore

- Under Prof. Vimal Bhatia and Prof. Rangeet Mitra, I worked on ML based techniques such as RFF RKHS for improved parallel detection for multi-user massive MIMO.
- Paper published in EuCNC 2020 (Dubrovnik, Croatia).
- Paper link: <https://doi.org/10.1109/EuCNC48522.2020.9200947>

### IOTA PROJECT CLUB | SYSTEM AND NETWORK ADMINISTRATOR

January 2019 – July 2019 | IIIT Sri City

- I handled the hosting of the club website(s) at the local server.
- I handled, along with the college's sysadmin, any problem or issues in the network.

### NOW MOZILLA CLUB | MEMBER

March 2018 – October 2019 | WFH

- Worked Front-end of "TunePref" project to apply Machine Learning to suggest music to users.

## NOTABLE PROJECTS

### • C-SHELL

### • IMAGE CAPTIONING WITH INPUT OUTPUT ATTENTION MODEL

### • IMPROVED SEAM CARVING FOR VIDEO RETARGETING

### • SECURE 3DES ENCRYPTED MESSAGING OVER TCP

### • DAIRY DATABASE MANAGEMENT SYSTEM

- Database distributed over a cluster using Cassandra
- Data analysis of buyers and sellers on real data

## PUBLICATIONS

[1] V. Chhangani, R. Mitra and V. Bhatia, "RFF Based Parallel Detection for Massive MIMO," 2020 European Conference on Networks and Communications (EuCNC), 2020, pp. 291-295, doi: 10.1109/EuCNC48522.2020.9200947.