



Harshit Khetan

UG (IV Year I Semester)
B.Tech. (Electrical Engineering)
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Area of Interest

Indian History, MCU, Cryptocurrency, Current Affairs

Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2020	B.Tech. 3rd Year	Indian Institute of Technology, Roorkee	7.512
2017	Intermediate (Class XII)	Dr. Virendra Swarup Public School, Cantt, Kanpur (ISC)	95.50 %
2015	Matriculate (Class X)	Dr VSPS Cantt, Kanpur (ICSE)	95.60 %

Internships

Google Summer of Code 2019 | Computational Biology @ University of Nebraska-Lincoln May 2019 - August 2019

- Dockerized the whole application separately for development and production with separate Dockerfiles for each services employed. Also used alpine image as the base image for the Dockerfile.
- Still working on incorporating scikit-learn by revamping the pipeline architecture of the app.
- Tech Stack: Flask, React, Git, Docker, Scikit-learn

Flipchat | Flipkart Pvt Ltd

April 2020 - June 2020

- An in-house, cross-platform team communication application specifically designed to be used by Flipkart Employees.
- Features include Google Single Sign-On, Public and Private Channels, Direct Messaging, real-time collaboration on all your devices - Desktop (Windows and macOS), Mobile (Android) and web.
- Tech-Stack includes: Golang, React

Projects

iOS Noticeboard | IIT Roorkee

August 2018 - January 2020

- Notice Board is an app on Channel i where all the notices related to IIT Roorkee are put up.
- Android version exists for it. I worked on the iOS version and wrote it from scratch. Its still in the development mode and the repository will be made public as soon as it reaches a significant amount of completion.
- Role: iOS developer.
- Tech-Stack includes: Swift, Xcode.

IMG Website | IIT Roorkee

December 2018 - May 2019

- IMG website is a portfolio for IMG which displays details about its members, their blogs and the projects they have done under IMG.
- The frontend was ported from django templates to React and Redux.
- Role: Full-stack developer.
- Tech stack includes: React, Redux, Django.

Endoscopy Artefact Detection & Segmentation | IIT Roorkee

January 2020 - September 2020

- The project was on the accurate detection of artefacts in the Endoscopy diagnosis employing the models Deep Learning.
- The models included Faster R-CNN, Cascade R-CNN and RetinaNet.
- Tech-Stack includes: Pytorch, Numpy

Awards / Scholarships / Academic Achievements

- All India Rank 747, JEE Mains 2017
- All India Rank 1487, JEE Advanced 2017
- All India Rank 273, KVPY(Kishore Vaigyanik Protsahan Yojana) SX 2016

Skills

Computer languages	Python, Javascript, Swift, HTML, CSS, SQL, C++, Java
Software Packages	Django, Django REST, React, Django channels, Redux, Semantic UI, Git, MongoDB, VS Code, PostMan, Jupyter, Numpy, Linux Shell utilities, Vim, Metasploit, Docker, Scikit-learn
Additional Courses	Data Structures and Algorithms, Economics,
Languages Known	Hindi(SRW), English(SRW), Spanish(SR)

Positions of Responsibility & Extra Curriculars

Project Leader | Information Management Group, IIT Roorkee

January 2018 - January 2020

- A member of IMG, the technical backbone of IIT Roorkee which not only handles the official IITR website but also an intranet portal containing many apps catering to the people in the campus.

Volunteer | National Social Service, IIT Roorkee

August 2017 - May 2018

- An active volunteer and team member of the National Social Service at IIT Roorkee.