

# YASH KUMAR JIPKATE

## ACADEMIC PROFILE

Degree/Certificate		Institution				Percentage/CGPA	Year
B-Tech		Mechanical Engineering IIT (BHU), Varanasi				8.26	2021
Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Sem VII	Sem VIII
8.00	8.71	8.32	7.60	7.52	9.32	-	-
CBSE (XII)		Mother's Pride School, Khamhariya, Durg				89.60	2017
CBSE (X)		Holy Cross Senior Secondary School, Kapa, Raipur				95.00	2015

## INTERNSHIP/TRAINING

**SDE Intern - Inclusive Design Research Centre, OCADU, Toronto, Canada** 21st May'20 to 31st June'20

*Revamped the infrastructure of the documentation site of their flagship project.*

- Migrated the deprecated DocPad Static Site Generator to the new 11ty framework, after design discussions regarding accessibility, maintainability, and flexibility of the different frameworks.
- Found newer alternatives to the old plugins, validate linting checks, upgraded codebase, set new conventions, reorganized code, modified complex functionalities to conform with the new framework.

**Exposure** | Static Site Generators, JAMStack, Accessibility, Design Decisions

**SDE Intern - Enliven Solutions, Ahmedabad** 1st July'20 to 31st July'20

*Backend Engineer for the Resolab Project*

- Designed the backend using the Django Rest Framework according to the specifications discussed.
- Integrated PostgreSQL and AWS S3 for storage, Razorpay to manage subscriptions, used best practices.

**Exposure** | Django Rest Framework, AWS S3 API, Razorpay payment gateway

**SDE Intern - Doctor Around You** 25th May'19 to 27th July'19

*Full Stack Engineer for the development of the official website*

- Developed the initial Django website using AWS PostgreSQL, Google Maps API, hosted on Heroku.
- Hosted the PostgreSQL database on AWS, and used Google Maps API to find doctors in an area.

**Exposure** | Google Maps API, Django, PostgreSQL

## PROJECTS

**Google Summer of Code, 2019** May'19 to July'19

*Student Developer at Oppia - Frontend Infrastructure Migration*

- Planned the migration from AngularJS to Angular 8 in TypeScript, refactored code and Karma/E2E tests.
- 1,37,101 LOCs, 72 PRs and numerous code reviews ensuring smooth transition and UI/UX.
- Collaborated with various teams across the organization to discuss new designs and improvements.

**Exposure** | Open Source, Angular, AngularJS, Karma, E2E tests, Code refactoring

**Technex'19 Web Application** August'18 to March'19

- Developed & maintained a modular web application for Technex, with an audience at 100+ countries.
- Built Django back-end modules, frontend in AngularJS with Google Analytics & Deployed on Heroku.

**Exposure** | Django, Google Analytics, full-stack development, Heroku

**Blind Device** May'18 to July'18

*Design And Innovation Hub, Supervisor - Prof. Dr Amit Tyagi*

- Developed Android app for aiding the blind using 'Show and tell' image captioning algorithm.
- Algo hosted on AWS, Flask API on the college server, the app gave speech output of resulting caption.

**Exposure** | Machine Learning/Deep Learning, AWS, Tensorflow/Keras, Flask

## POSITION OF RESPONSIBILITY

**Head of Technical Operations, Technex'20** August'19 to February'20

- Organized and led the team that looked over the technical operations of Technex'20, including the development and maintenance of its official website.

## EXTRA-CURRICULAR ACTIVITIES

- Represented IITBHU in the Inter-IIT Tech Meet'19. Built gamified crowd-sourcing information web-app.
- Member, Tech team, Technex'19 Developed the Django website for Technex'19
- Mentor, Club of Programmers. Mentoring other club members in various projects and workshops.

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