Yash Jipkate

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY (BHU)
B.Tech In Mechanical Engineering, 2021
Cum. GPA: 8.03

SKILLS

PROGRAMMING
sourcerer.io/yashjipkate
HTML • Django • JavaScript • AngularJS • Python • Angular • C • C++ • CSS • JS • Typescript
Familiar:
Matlab • Java • Tensorflow • Android • AWS • React

SOCIETIES

CLUB ACTIVITIES
- Mentor, Club of Programmers Mentoring other club members in various projects and workshops.

FEST ACTIVITIES
- Member, Tech team, Technex 2019 Developed the Django website for Technex'19

ACHIEVEMENTS

INTER IIT TECH MEET
- Developed a responsive web-app for crowd-sourcing information to track progress of construction sites powered by gamification.
- Designed an interactive game using location pins from the Google Maps API.
- The admin panel was equipped with heatmaps and real time charts.

COMPETITIONS
- Microsoft Code.Fun.Do 2017-18, 2018-19 and 2019-20
- Hackathon, Technex'19 - stood 1st
- Recognizance – an ML event, Prastuti'18 - stood 3rd.
- Pixelate: An Image Processing robotics event in Technex'18.

EXAMINATIONS
- JEE Advanced 2017: AIR 3334.
- KVPY 2015.
- NTSE 2015: First level.

EXPERIENCE

GOOGLE SUMMER OF CODE | Student Developer at Oppia
May 2019 – Aug 2019
- Devised a plan for the migration of frontend architecture from AngularJS to Angular 8 in TypeScript.
- Coordinated with various teams across the organization to ensure smooth transition and unaffected user experience.
- Intoduced Angular and migrated services while refactoring the Karma and E2E protractor tests
- 137,101 Lines of code, 72 Pull Requests and numerous code reviews..

DOCTOR AROUND YOU | Full Stack Developer Intern
May 2019 – July 2019 | 5th Floor AIC BHU
- Developed and designed the initial basic Django structure of the website.
- Integrated an external template to the Django app to suit our needs.
- Hosted the PostgreSQL storage on AWS and the site on Heroku.
- Used Google Maps API to find nearest doctors in an area.

PROJECTS

BLIND DEVICE | Design and Innovation Hub, Prof. Dr Amit Tyagi
May 2018 – July 2018 | IIT(BHU)
- Developed an Android app for aiding the blind through Computer Vision.
- Used ResNet, AlexNet, YOLO, Faster-RCNN and 'Show and tell' (for image captioning) with the help of Tensorflow and Keras.
- Hosted the algo on AWS which communicated through the Flask API.
- Produced speech output of the received image caption.

LEADERSHIP ROLES

CORE MEMBER | The Oppia Foundation
Feb 2019 – Sept 2019
- Member of the Oppia Github organization.
- Maintain the repository and look for critical bugs.
- Review pull requests critically to ensure there is no breakage.

LEAD OF DEV-WORKFLOW TEAM | The Oppia Foundation
Mar 2019 – May 2019
- Maintain the code quality and devise new conventions while enforcing the existing ones.
- Onboarded new members to the team and assigned them tasks.
- Specialized in linter related issues, the python part of which was in PyLint with some custom extensions.
- Collaborated with the TypeScript upgrade lead to introduce new conventions for the newly introduced TypeScript.

HEAD OF TECHNICAL OPERATIONS | Technex - the Annual Techno-Management Fest
May 2019 – Feb 2020
- Organised and led the team that developed the official website of Technex, the Campus Ambassador portal and the Hospitality portal.
- Trained the juniors in Angular, Django and Heroku which form the primary tech stack of the site.
- Maintain the database of thousands of participants across various categories.