

# Kush Trivedi

trivedi.1@iitj.ac.in | +91-9340582488

## EDUCATION

**IIT, JODHPUR**

**B.TECH IN COMPUTER SCIENCE**

Expected 2021 | Jodhpur, India

Cum. GPA: 6.65

**GREEN FIELD PUBLIC ACADEMY**

**HIGHER SECONDARY**

May 2017 | Indore, India

Percentage: 86.2%

**NDPS, INDORE**

**SECONDARY**

Grad. May 2015 | Indore, India

Cum. GPA: 9.8

## LINKS

Github:// [kushthedude](#)

LinkedIn:// [Kush Trivedi](#)

Spoj:// [darksaiyan\\_10](#)

## COURSEWORK

**UNDERGRADUATE**

Object Oriented Analysis & Design

Database Systems

Software Engineering

Data Communication

Computer Networks

Operating Systems

Data Structures & Algorithms

Algorithm Design & Analysis

Computer Security & Applications

## SKILLS

**PROGRAMMING**

Over 5000 lines:

C/C++ • JavaScript • Golang • Ruby • Python

Over 1000 lines:

Swift • Sass • Solidity • Markdown •

HandleBars

**DEVOPS**

Kubernetes • Service Meshes • CI/CD • Docker

• Git • AWS

## AWARDS & ACHIEVEMENTS

- Winner of Fossasia CodeHeat-2019
- Excelled JEE-Advanced 2017 with AIR - 3197.
- Qualified RMO-2017 and Participated in INMO 2017
- KVPY Scholar-2015

## OPEN SOURCE

- Maintainer of **Layer5**, **Open Event Frontend**, **BadgeYay**, **Semantic-UI** and **Open Event Server**
- Active contributor to various Open Source Organisations like **Layer5**, **Fossasia**, **Envoy**, **Google/Blockly**, **ReadTheDocs**, **OpenRefine**.

## EXTRACURRICULAR

- Legacy Club - Captain, 2019
- Inter IIT Sports 2018 - Weightlifting Team Member
- Core Member - Rotaract Padmini, Jodhpur, 2017-2019

## EXPERIENCE & MENTORSHIP

**MICROSOFT | CLOUD NATIVE INTERN**

Aug 2020 – Present | Remote | **Affirmed Networks**

- Working with Affirmed Networks under office of the CTO, Massachusetts
- Delivering bleeding edge technologies for continuous delivery, canary deployments & rollback strategies using cloud-native infrastructure

**GOOGLE SUMMER OF CODE 2020 PARTICIPANT WITH CNCF**

Jun 2020 – Aug 2020 | Remote | **CNCF**

- Implementing Distributed load testing for envoy data planes & integrating it into service mesh bench-marking tool.
- Enable users to create and save performance test profiles, so that they may easily reference these test configurations and replay them over and over.
- Enable scheduled performance testing - the ability for users to schedule performance test jobs.

**GOJEK | PRODUCT ENGINEERING INTERN**

May 2020 – July 2020 | India | **GoJek**

- Created onboarding-service for smooth onboarding of merchants and payment partners on GoPay (a cashless payment platform for GO-JEK)
- Implemented a gRPC server & a ruby client invoked in rails application to talk to the service
- Worked in fast-paced environment, followed test-driven development & agile methodology.

**TENSORFLOW & FOSSASIA | GOOGLE CODE-IN MENTOR**

Nov 2019 – Feb 2020 | Remote

- Google Code-in is a contest to introduce pre-university students (ages 13-17) to open source software development. Since 2010, over 8100 students from 107 countries have completed work in the contest.

**FOSSASIA | SOFTWARE DEVELOPMENT INTERN**

Jun 2019 – Sept 2019 | Singapore | **EventYay**

- Increased Ticket Buyouts by around 35 % by implementing APAC Localised Payment Gateways Omise & PayTM.
- Implemented Order Waiting Time and Order Holding feature as done in various E-Commerce which improved the attendee checkout experience.

## PROJECTS

**HAND GESTURE RECOGNITION IN EGO-CENTRIC VIDEOS**

Feb 2020 – Jun 2020 | Dr. Debarati Bhunia

- Enable hand gesture recognition in egocentric videos using depth measurement & CNN models through depth augmentation
- Improved previous depth augmentation model upon the pose network from before by prediction motions of individual objects instead of the entire image as a whole.
- Detecting Hand Gesture in Ego-Videos by means of object masking & detector queue approach model.

**POVERTY PREDICTION USING DATA | CODEBASE**

Feb 2019 – Jun 2019 | Dr. Sumit Kalra

- Created a CNN Model inspired from Stanford AI Laboratory to predict poverty using data from DHS Surveys and Night Time Satellite Images.
- Increased the accuracy of predecessor model by 16% and also introduced an extra CNN Layer based on G-Map API

**WORD PREDICTOR | CODEBASE**

Jan 2019 – Feb 2019 | Dr. Sumit Kalra

- Created a web-app using R and Shiny Dashboard to predict the next word using NLP algorithm.

**CV BUILDER | CODEBASE**

Jan 2019 | Dr. Sumit Kalra

- Developed an interactive CV Builder web app which creates a CV using 10 pre-designed templates.