



## BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

I'm an inquisitive programmer who likes to try and solve issues and develop applications that make life easier to live, automating as many tasks as I can along the way.

I'm interested in Backend Web Development and DevOps, though I am proficient in and enjoy working in the Frontend as well.

## EDUCATION

|  |             |
|--|-------------|
| <b>Dr. Vishwanath Karad MIT World Peace University (MIT-WPU)</b><br>B. Tech. - Computer Science & Engineering - MIT - WPU   CGPA: 8.08 / 10.00 | 2017 - 2021 |
| <b>DAV Public School, Pune</b><br>12 <sup>th</sup>   CBSE   Percentage: 89.80 / 100.00   | 2017        |
| <b>DAV Public School, Pune</b><br>10 <sup>th</sup>   CBSE   CGPA: 10.00 / 10.00  | 2015        |

## INTERSHIPS

|  |                             |
|--|-----------------------------|
| <b>Apli.ai</b><br>Full Stack Web Developer<br><b>Key Skills:</b><br>Python Django Firebase NoSQL HTML CSS Javascript JQuery AJAX Linux Ubuntu Selenium CI<br>Pipelines Databases Data Migration<br>Apli.ai is a startup incubated in IIT Bombay, as a recruiting platform to make finding jobs for students easier, and reducing the work of the colleges and companies in the hiring process.<br>I started here as a Backend developer, eventually transitioning into a full stack role and handling DevOps. I was also temporarily the lead of the web dev team before transitioning into a primarily DevOps role. | Feb. 19, 2020 - Present     |
| <b>NewsShack</b><br>Backend & Cloud Ops<br><b>Key Skills:</b> Python Web Scraping BeautifulSoup NoSQL Firestore Github Actions<br>Wrote scrapers for systematically fetching specific details and links for news articles on 7 news sites like BBC, NDTV, CNBC etc. All the fetched details were then to be stored in Firestore for their Android SDK to fetch. Also wrote a small CLI to run all the scrapers to fetch articles upto X days (argument given to CLI) old and store new articles in firestore, and GitHub Actions to run this scraper at timed intervals in the GitHub worker using crontab.          | May 12, 2020 - July 9, 2020 |

## PROJECTS

|   |                               |
|---|-------------------------------|
| <b>Hackerrank Test Case Generator</b><br><b>Key Skills:</b> Python Bash<br>Given a certain input logic (with input parameter ranges) and output logic, this project can generate n number of random test cases and store them in a zip file formatted such that they can directly be uploaded to hackerrank.<br>Link to source code:<br><a href="https://github.com/The-SCRIPT-Group/hackerrank-testcase-generator">https://github.com/The-SCRIPT-Group/hackerrank-testcase-generator</a>   | Aug. 1, 2019 - April 12, 2020 |
| <b>Automated Torrent Downloader</b><br><b>Team Size:</b> 2<br><b>Key Skills:</b> Python Web Scraping HTML<br>A collection of python scripts that not only run automated checks in the background to see if any new episodes in the list of series you are currently watching are released, but also automatically begins to download them if found. We are searching for episode releases from an online torrent library through some consistent uploaders - essentially scraping the search results page.<br>Link to source code:<br><a href="https://github.com/ksdfg/terrible_downloader">https://github.com/ksdfg/terrible_downloader</a> | June 9, 2019 - Oct. 13, 2019  |
| <b>Rev-AMP</b><br><b>Team Size:</b> 4   | Nov. 12, 2020                 |

### Key Skills:

Python FastAPI SQLAlchemy Alembic MySQL Javascript ReactJS Redux Redux-Saga Material UI Docker  
Docker Compose

A reliable, efficient and versatile Academics Management Platform.

Currently in development as my final year project. Planned features include Attendance Management, Assignment submissions and grading, dynamic Timetable generation etc.

Link to backend source code:

<https://github.com/Rev-AMP/backend>

Link to frontend source code:

<https://github.com/Rev-AMP/frontend>

### Meetings Channel

Aug. 25, 2020

Key Skills: Python Docker Docker Compose systemd Selenium SMTP

Automated Tool that forwards all links that come on WhatsApp and Mail to Telegram.

Built using Python and Selenium and deployed with Docker. Was mainly developed to avoid opening WhatsApp for lecture links, but also works as a great way of archiving all meeting links that get buried under spam.

Link to source code:

<https://github.com/ksdfg/Meetings-Channel>

### Telegram bot

June 11, 2020

Key Skills: Python Python Telegram Bot

A modular telegram bot running on python3 with a MongoDB database. Includes modules for group management and sticker pack management (both static and animated), among other miscellaneous modules.

Link to deployed bot:

<https://t.me/ksdfgisabot>

Link to source code:

<https://github.com/ksdfg/neko-chan-telebot>

### Review Blog

Dec. 10, 2019

Team Size: 4

Key Skills: Python Django Heroku PostgreSQL HTML5 CSS

An anime review blog that lets you see as well as add reviews to various anime series.

Developed using Django framework and deployed on Heroku.

Link to deployed application:

<https://ara-ara-ufufu.herokuapp.com>

Link to source code:

<https://www.github.com/ksdfg/ARA-ARA>

### Hermes - WhatsApp Messenger

Aug. 18, 2019

Key Skills: Python HTML CSS Flask Selenium

A WhatsApp mass messaging application.

Built with Flask and webwhatsapp, this is a small web application that allows a user to automate sending a message to multiple people (whether they are or aren't in your contacts list) with your number. It requires you to scan a QR code from your phone, so preferably use it from a desktop / laptop.

Link to deployed application:

<https://hermes.ksdfg.tech>

Link to source code:

<https://github.com/ksdfg/Hermes>

### Hades - Event Registration App

Feb. 17, 2019

Key Skills: Python HTML CSS Flask SQLAlchemy

A web application for allowing users to register for events. Also includes a module where organizers can monitor current registrations and an API for retrieval of information through GET calls.

Link to source code:

<https://github.com/The-SCRIPT-Group/hades>

## ACHIEVEMENTS

- Was selected in the top 14 for AGS hackathon

## CO-CURRICULAR ACTIVITIES

- Have conducted workshops as a trainer on subjects like Game Development with p5.js library, Basics of Java, C, C++, Python and Git / GitHub
- Have organised 4 coding competitions on Hackerrank as a member of The SCRIPT Group, having participated in question formation and test case generation

WEB LINKS / IMs

- Other - <https://t.me/ksdfg1247>
- Github - <https://github.com/ksdfg>
- Personal - <https://ksdfg.tech>

PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Unmarried

**Current Address:** #3, Plot no. 86, Lane 1, Anand Park, Aundh, Pune, Maharashtra, India - 411007

**Emails:** ksdfg123@gmail.com , me@ksdfg.tech

**Date of Birth:** Jan. 31, 1999

**Known Languages:** English, Hindi, Marathi, some basic Kannada

**Phone Numbers:** +91-9011152660