

# Akshat Karani

akshatkarani@gmail.com | +91 8454864451 | Mumbai, India

## EDUCATION

### INDIAN INSTITUTE OF TECHNOLOGY DHARWAD

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

Grad. April 2021 | Dharwad, India

CPI: 9.0 / 10.00

### MUMBAI UNIVERSITY

CLASS XII

2017 | Mumbai, India

87.08%

## SKILLS

### PROGRAMMING

• python • C++ • Go

Familiar:

• JavaScript • Java • Bash

### WEB DEVELOPMENT

• Node.js • Angular • Express

• Django • SQL

### OTHERS

• Git

## EXTRACURRICULARS

- Mentor at Open Source Society - A community at IIT Dharwad to promote open source and coordinate events.
- Represented IIT Dharwad in Inter-IIT Tech Meet 2019 in event of CTF.
- Completed Hacktoberfest 2018, 2019 challenge by contributing to various open-source projects.
- Represented IIT Dharwad in Inter-IIT Sports Meet 2017 as part of the Football team.
- Student Mentor at IIT Dharwad - Helping freshers to adjust to this new life, advice them about academics and hostel life.

## LINKS

GitHub:// [akshatkarani](#)

LinkedIn:// [akshat-karani](#)

Webpage:// [akshatkarani.github.io](#)

## ABOUT

Final Year Undergraduate, highly enthusiastic to learn new technologies and looking for full-time opportunities.

## EXPERIENCE

### GOOGLE SUMMER OF CODE 2019 | WITH COALA

May 2019 – August 2019 | Remote

- Worked as Google Summer of Code Student to develop open-source software for coala.

### COALA DEVELOPMENT GROUP | CONTRIBUTOR

November 2018 – Present | Remote

- Member of coala open-source organization, actively contributing in the form of fixing bugs, code review, documentation.

## PROJECTS

### RANDOMIZED TSP | PYTHON

- A python package for solving Travelling Salesman Problem using Randomized Algorithms.
- Implemented Ant Colony Optimization, Genetic Algorithm and Simulated Annealing.

### MICRO COMPILER | C++ | FLEX | BISON

- A compiler for MICRO language using flex, bison and C++.
- Implemented variable declaration, expressions and function calls.

### TOPIC MODELING USING LDA | PYTHON | NLP

- Topic modeling IIT Dharwad broadcast e-mail using Latent Dirichlet Allocation.
- Used gensim's implementation of LDA and used pyLDAvis to visualize the results.

### SPORTS EVENT MANAGEMENT SYSTEM | NODE.JS | ANGULAR

- A sports event management system.
- Back-end in Node.js, front-end in Angular, and PostgreSQL as Database

### TENDERA | DJANGO

- A Tenders and business and listing portal.
- Connecting organizations and businesses where organizations can post their requirements and businesses can apply.

### TWITTER BOT | PYTHON

- A bot to mirror posts from reddit and post it on Twitter  
[https://twitter.com/jus\\_for\\_laugh](https://twitter.com/jus_for_laugh).

### MASTERMIND | GO

- A version of simple code breaking game Mastermind.
- Implemented Mini-max algorithm to find best guess.