

# Vatsal Sinha

vatsalsinha.github.io/vatsal| [Linkedin/vatsalsinha](#)  
vatsalsinha001@gmail.com | +919990728350 | [leetcode/vatsalsinha](#)

## EDUCATION

### PES UNIVERSITY

B.TECH IN COMPUTER SCIENCE & ENGINEERING

2018-2022 | Bengaluru, KA

GPA: 7.78 / 10.0

(Distinction)

### DELHI PUBLIC SCHOOL, RK PURAM

Grad. May 2018| Delhi, India

CBSE, 85%

### RADIANT INTERNATIONAL

Grad. May 2016| Patna, India

CBSE, CGPA 9.8/10

## SKILLS

Programming

• C++ • Data Structures &

Algorithms • Python

Frameworks

• Django • React • HTML5/CSS3

Familiar:

• MySQL • REST APIs • OPEN APIs

## COURSEWORK

Machine Learning Foundations

Data Structures & Algorithms

Artificial Intelligence

Django 2.2

Modern ReactJS and Redux

Computer Networks

Computer Network Security

Information Security

Operating Systems

## LINKS

Github:// [vatsalsinha](#)

LinkedIn:// [vatsalsinha](#)

Leetcode:// [vatsalsinha](#)

## EXPERIENCE

### AKAMAI TECHNOLOGIES | SOFTWARE ENGINEER

Jan 2022 - Present | Bengaluru, KA

- Worked on developing engineering solutions for various **Akamai** teams.
- Worked on automating the CI/CD lifecycle for various teams.
- Worked on automating the features of **EAA**- a platform which provides secure access to applications remotely.

### KICKHEAD SOFTWARES PVT. LTD | SWE INTERN

July 2020 – Sept 2020 | Bengaluru, KA

- Worked as a **backend developer** on **Python/Django**, worked on **Stripe** payment gateway integration to make way for **international payments**.

## PROJECTS

### TWITTER CLONE | DJANGO, REACTJS, BOOTSTRAP

July 2020 – Sept 2020

A website clone of Twitter with features like **signup, login, retweet, comment, likes, unlike, follow and unfollow**

Link: [tweetme](#)

### IMAGE CLASSIFICATION APPLICATION | DJANGO, REACTJS,

TENSORFLOW, KERAS

July 2020

A web application integrated with a **trained image classification model** which used for image classification.

Link: [PredictThis](#)

### IMAGE SIZE COMPRESSOR | REACTJS

June 2020

A web application which can compress the size of the uploaded image.

Link: [Compressify](#)

### STREAMER | REACTJS, RTMP PROTOCOL, GOOGLEAUTH API

June 2020

Streamer is a web application inspired by Twitch which can be used to stream videos from one's machine using **Real Time Messaging Protocol**. Users can use their google accounts to login.

Link: [Streamer](#)

### FOODIE | DJANGO, REACTJS, YOUTUBE API

Jan 2020 - March 2020

Foodie is a food blog web application where users can express their thoughts about the kind of food they like, or the recipe of their favorite foods. There's also inclusion of **React video player** using the Youtube API which lets user watch recipe videos of their favorite dishes.

Link: [Foodie](#) | Team size: 4

## PUBLICATIONS

### **AI-ASSISTED COLLEGE RECOMMENDATION SYSTEM** August 2022

**Authors:** Vatsal Sinha, Aman Sharma, Keshav Kumar, M. Monicashree, M. L. Vandana B. S. Vijay Krishna

**Publisher:** Springer, Singapore

**Abstract:** For an aspiring undergraduate student, choosing which college and courses to apply to is a conundrum. Often, the students wonder which colleges are best suited for them. This issue has been addressed by building an artificial intelligence (AI)-driven recommendation engine. This system is developed using the latest techniques in machine intelligence. The system builds user profiles by explicitly asking questions from users and then maps them with college profiles gathered by web scraping and then generates recommendations based on novel hybrid recommendation techniques. The main aim of this system is to utilize artificial intelligence-based techniques to build an efficient recommendation engine particularly for college students to help them select the college that best suits their interests.

Link: [AI based recommendation system](#)

Kumar, K., Sinha, V., Sharma, A., Monicashree, M., Vandana, M.L., Vijay Krishna, B.S. (2022). AI-Assisted College Recommendation System. In: Raj, J.S., Shi, Y., Pelusi, D., Balas, V.E. (eds) Intelligent Sustainable Systems. Lecture Notes in Networks and Systems, vol 458. Springer, Singapore. [https://doi.org/10.1007/978-981-19-2894-9\\_11](https://doi.org/10.1007/978-981-19-2894-9_11)

## AWARDS

- Solved **700+** questions on **Leetcode**. Current **global rank: 20799**
- **Technical lead** for college hackathon, Ingenius
- Technical member at ACM, PES University
- **Awarded Distiction** in undergraduate Studies, PES University
- **Vice President**, Astronomy Club, DPS RK Puram