

# Anubhav D. Patel

[anubhavp28.github.io](https://anubhavp28.github.io)

anubhavp28@gmail.com | +91 9082079014

## EDUCATION

**INDIAN INSTITUTE OF  
INFORMATION  
TECHNOLOGY KALYANI**  
BTech IN COMPUTER SCIENCE  
Expected 2021 | Kolkata, India  
Cum. GPA: 9.6

**KENDRIYA VIDYALAYA  
IIT MUMBAI**  
Grad. 2016 | Mumbai, India

## LINKS

Github://[anubhavp28](https://anubhavp28)  
LinkedIn://[anubhavp28](https://anubhavp28)  
Codechef://[anubhavp28](https://anubhavp28)  
Medium://[anubhavp28](https://anubhavp28)

## COURSEWORK

**UNDERGRADUATE**  
Design And Analysis of Algorithms  
Data Structures  
Programming with C  
Discrete Maths  
Probability and Statistics

## SKILLS

### PROGRAMMING

Python • C • C++ • JavaScript • Octave  
CSS • PHP • MySQL • HTML5  
Assembly •  $\text{\LaTeX}$   
**Familiar:**  
Bash Scripting • Android • NodeJS •  
Electron

## PROJECTS

**NEWS AGGREGATOR THAT HELPS MITIGATE THE EFFECTS OF  
MEDIA BIAS ON USERS** | [LINK](#) | FOR HACK-A-BIT 2018 HACKATHON  
Python, Flask, Requests, Requests-HTML, TextBlob, FakeBox, JSON, Sqlite3,  
HTML, CSS

- Created a News Aggregator Progressive Web App, that utilized Machine Learning and Sentiment Analysis to classify news article as 'impartial' or 'biased'. Any news search made through the app, returns news articles with their classification and links to additional news articles providing a different perspective on the same topic.
- Finished as the 6th highest ranked team at HACK-A-BIT 2018.

### PLACEMENT PORTAL | [LINK](#)

PHP, PHPMailer, MySQL, HTML5, CSS3, JavaScript

- Designed the database schema and implemented back-end for registering companies.
- Implemented automatic emailing facility using SMTP from PHPMailer.
- Implemented a modern user interface using HTML5 and CSS3.
- Designed and implemented the mobile version of the website.

### UDAAN | WEBSITE FOR LITERARY CLUB | [LINK](#)

HTML5, CSS3, SVG Animation, Slick, AOS.css

- Created a modern-looking website for IIIT Kalyani's literary Club.
- Implemented Animation on inline-SVG with CSS.

### TVFPLAY-DL | [LINK](#)

Python, Requests

- TVFPlay-dl is a command line tool to download videos from TVFPlay (<https://tvfplay.com>).

### PAPERVAULT | [LINK](#)

HTML, CSS, JavaScript

- Papervault is a archive of previous year question papers of IIIT Kalyani and accompanying website to simplify searching of the archive.

Other projects include : Pacman clone, Website For Open-Source Club.

## RESEARCH

### CHARACTER RECOGNITION USING BINARY IMAGE DECOMPOSITION | UNDER PROF.SANJOY PRATIHAR, IIIT KALYANI

Aug 2018 – Present

Surveyed different algorithms for rectangular binary image decomposition ( Run-length encoding, Generalized Delta Method, Quad-tree decomposition, Graph-based decomposition ), for real-time character recognition. It is still a work in progress.

## OPEN SOURCE CONTRIBUTIONS

### **SCIPY** | LIBRARY FOR SCIENTIFIC COMPUTATION

Python

- Applied for SciPy in GSoC with proposal - [LINK](#).
- Improved documentation for integrate module.

### **ORIGAMI.JS** | LIBRARY TO DRAW ON HTML5 CANVAS

HTML5 Canvas, JavaScript

- Implemented a bar charting method lacking in OrigamiJS.

## ACHIEVEMENTS

- Member of 6th highest ranked team(single member team) at onsite event of HACK-A-BIT 2018 Hackathon.
- Member of the only single member team to be selected at HACK-A-BIT 2018 Hackathon.
- 4 star rated user on codechef.

## CERTIFICATES

2018	NPTEL	Design And Analysis of Algorithms
2018	NPTEL	Programming, Data Structure And Algorithms in Python [Top 1%]
2018	NPTEL	Programming, Data Structure And Algorithms in C [Top 5%]

## POSITION OF RESPONSIBILITY

2018	Technical Advisor	Technical Committee of IIIT Kalyani
2018	Founding Member	Open-Source Club of IIIT Kalyani