

Anubhav D. Patel

Last Updated on 13th December 20

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

LinkedIn://anubhavp28

Codechef://anubhavp28

Medium://anubhavp28

COURSEWORK

UNDERGRADUATE

Design And Analysis of Algorithms

Computer Organization and Architecture

Formal Language and Automata Theory

Data Structures

Programming with C

Discrete Maths

Probability and Statistics

SKILLS

PROGRAMMING

Python • C • C++ • JavaScript • Octave

CSS • PHP • MySQL • MongoDB •

HTML5 • Assembly • \LaTeX

Familiar:

Bash Scripting • Android • NodeJS •

Electron

WORK EXPERIENCE

THE BOMWAY | FULL-STACK DEVELOPER - INTERN

Dec 2018 – Present | Flask, MongoDB, Bootstrap, Python, JavaScript, HTML, CSS

- Implementing a e-commerce shopping cart with support for multiple payment gateways, the option to offer discounts, ability to calculate international shipping cost, and elegant design.
- Discovered and fixed two distinct vulnerabilities in their codebase.

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 'partial'.
- Any search made through the app, returns news articles with their classification, in a way that help to cover all the perspectives available.
- 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 Adviser	Technical Committee of IIIT Kalyani
2018	Founding Member	Open-Source Club of IIIT Kalyani