Anubhav D. Patel

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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
Data Structures
Programming with C
Discrete Maths
Probability and Statistics

SKILLS

PROGRAMMING

Python • C • C++ • JavaScript • Octave
CSS • PHP • MySQL • HTML5
Assembly • LaTeX
Familiar:
Bash Scripting • Android • NodeJS •
Electron

PROJECTS

MODERN NEWS AGGREGATOR THAT HELPS MITIGATE EFFECT 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 utilised Machine Learning to classify article as 'impartial' or 'biased'. It then performed sentiment analysis, to recognise the type of bias ('positive' or 'negative'), and detected personalities mentioned inside the article.
- 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 mailing 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 |