Anubhav 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
Mumbai, India

Links

Github://**anubhavp28**
LinkedIn:// **anubhavp28**
Codechef:// **anubhavp28**
Blog:// **anubhavp28**

Hackathons

Hack-A-Bit 2018

6th Prize Winner (out of 50 teams)

Created a news aggergator that informs users of biased content inside news articles.

Hack In The North 2019

Among Top 10 Teams

Automated the process of version controlling of machine learning models.

IIT Bombay's iHack Hackathon

Among Top 10 Teams

Made tendering process more efficient, transparent and secure using blockchain.

Skills

Programming

Python • C • C++ • JavaScript • Octave CSS • PHP • MySQL • MongoDB • PostgreSQL • Redis • HTML • Assembly • LaTeX• Bash Scripting • Linux • Flask • Django

Familiar :
Android • NodeJS • Electron

Work Experience

Google Summer of Code : Scrapy Project (Summer '19)
Python, Tox, Travis

- Created and implemented an interface for robots.txt parsers in Scrapy (an open-source python based web scraping framework), allowing users to substitute a more spec compliant parser than the default one.
- Implemented the interface on top of 3 popular existing robots.txt parsers, allowing the majority of Scrapy users to make the switch without having to write a single line of code.
- Developed a fully spec compliant pure-Python robots.txt parser which is also compatible with google's robots.txt specification. The parser is intended to become the default in Scrapy.

The Bomway Full-Stack Developer - Intern (Winter '18)
Flask, MongoDB, Bootstrap, Python, JavaScript, HTML, CSS

- Implemented a shopping cart with support for multiple payment gateways, the option to offer discounts on a group of products, ability to calculate international shipping cost, and elegant user interface, which resulted in savings of $3000 every year by replacing the third-party cart plugin.
- Implemented an service to lazily resize images on user request with Amazon S3 as storage backend.

Projects

Full Text Search and Indexing Server Link
Golang, Mux

- Created a service in Golang which provides the ability to search for a word or group of words, inside large quantity of text spread across multiple documents using an inverted index, utilised it to create a service for searching inside large number of research papers on my college's local network.

URL Shortening Service Link
Python, Redis, Postgresql, SQLAlchemy, Flask, Docker

- Created a URL shortening microservice built on top of Redis and Flask, utilized Postgresql as a persistent store to mitigate data loss due to failures.
- Utilized docker to containerize the service and allow for easy deployment.

News Aggregator To Counter Media Bias Link
Python, Flask, Requests, Requests-HTML, TextBlob, FakeBox, JSON, Sqlite3, HTML, CSS

- Created a News Aggregator Progressive Web App, that utilizes sentiment analysis and a machine learning model called FakeBox to classify news article as 'biased' or 'unbiased'.
- It utilises parameters such as biasness, clickbait title, and domain trustability to rank news, unlike traditional news aggregators which generally use popularity to rank news articles.
- Finished as the 6th highest ranked team at HACK-A-BIT 2018 (out of 50 teams selected from all over India).

Coursework

Undergraduate
Design And Analysis of Algorithms
Object Oriented Programming
Operating Systems
Computer Organization and Architecture
Formal Language and Automata Theory
Data Structures
Programming with C
Discrete Maths
Probability and Statistics

Gitstalk Link
NodeJS, GitHub REST API

- Gitstalk is a command line tool that provides activity log of a GitHub user. This activity log is more detailed than the one present on the user's GitHub profile page. It uses GitHub REST API.

TVFPlay-dl Link
Python, Requests

- TVFPlay-dl is a command line tool to download videos from TVFPlay (https://tvfplay.com), allowing users to enjoy their awesome content even on slow or flaky internet connection.

Website for Placement Cell Link
PHP, PHPMailer, MySQL, HTML5, CSS3, JavaScript

- Designed the database schema and implemented backend using PHP and MySQL, for registering companies.
- Implemented automatic emailing facility using SMTP.
- Designed and implemented a responsive frontend for the website.

Website for Literary Club - Udaan Link
HTML5, CSS3, SVG Animation, Slick, AOS.css

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

Achievements

- 4 star rated user on Codechef.
- Member of 6th highest ranked team at on-site event of HACK-A-BIT 2018 Hackathon.
- Among Top 50 students (all over India) in IIIT Hyderbad's Lateral Entry Entrance Examination.

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-Present	Technical Adviser	Technical Committee of IIIT Kalyani
2018-Present	Founding Member	Open-Source Club of IIIT Kalyani
2019-Present	Memeber	Institute's Innovation Counil