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"Everything about me from Front-End to Back-End."

Internships

Indian Institute of Technology (BHU), Varanasi

VOCABX WEBSITE

2017

- Python **Django Web Framework** for developing **Back-End** of the website, **Ajax** for making asynchronous request to the server, **PostgreSQL** has been used in deployment as database, SQL, Sqlite has been used as testing database. **Python Web-Crawler** : scraping web data and processing it.
- **Deployed on Amazon AWS EC2** unix virtual machine and set up using **gunicorn**, **WSGI HTTP Server** for serving static files and **nginx HTTP high performance server for serving website and reverse proxy pass to gunicorn**. Several security and privacy measures has been taken care of to prevent attacks on website and loss of sensitive data by activating **HTTPS protocol using SSL Certificate**. And has been upgraded by **Updating Diffie-Hellman Parameters**. Hence, obtaining **"A" certificate in security from SSL Labs**.

ONGC-Videsh Ltd.

ANDROID APPLICATION (INTERNAL APPLICATION)

2016

- Contributed in their android app development.
- Designed and worked on the Application User Interface.
- Worked on developing fragments, activities, intents, broadcasts for the application.

Achievements

2017	HackerEarth UNITEDBYHCL Hackathon , Cleared two rounds. Got selected in top 2720 teams from 13531 registered teams.	HackerEarth UNITEDBYHCL
2017	Course Certification , Successfully completed the Python3, jQuery, HTML Fundamentals Course	Solo Learn
2016	Course Certification , Successfully completed the Java Tutorials Course	Solo Learn
2015	Course Certification , Successfully completed the JavaScript, C++, SQL Tutorials Course	Solo Learn
2015	Course Certification , Successfully completed the Computer Science 101 Course	Stanford Online
2014	Top Ranker , Got 766 Rank(Top 0.5%) out of 250,000 across New Delhi in CET Exam 2014	New Delhi
2014	Merit Certificate , Awarded Certificate of Merit for Outstanding Performance in Class XII	New Delhi
	Performance Certificate , Secured 99.32 percentile in Quantitative Reasoning, 98.28 percentile in	
2013	Qualitative Reasoning and 75.85 percentile in Language Conventions in Problem Solving Assessment conducted by CBSE, Delhi	New Delhi
2012	Merit Certificate , Awarded Certificate of Merit for securing 92% marks in National Mathematics Olympiad Contest	New Delhi

Education

University School of Information and Communication Technology, GGSIPU

New Delhi, India

B.TECH. IN INFORMATION TECHNOLOGY

June. 20014 - July 2018

- B.Tech. in Information Technology scoring aggregate percentage **74.3%**.
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Data Structures; Programming Languages; Comp. Architecture.
- **Thematic linking of news article** using **Natural Language processing**. Project available on **Bitbucket** at **NewsLinker**. [link](#)

Sachdeva Public School

New Delhi, India

SENIOR SECONDARY EDUCATION

2013 - 2014

- Securing a percentage of **94%** in final board exams.

Sachdeva Public School

New Delhi, India

HIGHER SECONDARY EDUCATION

2011 - 2012

- Securing **10 CGPA** in the final exams.

Technologies

C, C++, Python, JavaScript, Java, HTML5, CSS3

Amazon Elastic Compute Cloud (EC2)

Django

MySQL, PostgreSQL

MaterializeCSS

Git, Vim, Sublime Text, Android Studio, Brackets IDE, Code Blocks

Languages

AWS Services

Web Frameworks

Relational Databases

Front-End

Tools

Technical Experience

Chrome plugin for vocabx.com

[link](#)

- Created a chrome plugin for **highlighting "good words"** on the webpage opened in the current tab.
- Also when hovered over the highlighted words, their **meaning are displayed as tooltip**.

WebPage PDF Generator

- Made a script which will parse the given url (also find other hyperlinks, optional!) and **convert those webpages to PDFs** and save them on your machine.
- Helped me a lot in retrieving thousands of articles from geeksforgeeks website and save them on my machine in PDF format for offline learning.

Desktop Notifier

[link](#)

- Created a desktop notification application which displays a **desktop notification of news** from the RSS feed of news websites.
- The application uses python libraries **requests** and **notify2**.
- If any new news item is added to the RSS, it immediately shows the news item, which includes the article title as well as a short descriptions, as desktop notification.

Twitter Sentimental Analyzer

- Created a tool using the python **twitter api wrapper, tweepy**, to retrieve tweets from the twitter based on the query provided as input.
- The retrieved tweets are then analyzed by the **TextBlob** which gives information about the percentage of positive, negative and neutral tweets for the given query.

QR Code Generator

[link](#)

- Developed a QR Code Generator, using **qrcode**, which generates a QR code for any type of information which may be provided, accordingly the data provided is encoded into a qr code which is output as a png image and can be shared easily.
- It can also **decode a QR code** provided to it and display all the information integrated in the code.

Random Quote Generator

- Created a random quote generator using **QuotesOnDesign Api**, which can be integrated anywhere from making it as your homepage on your favorite browser or integrating it in any website or web browser extension.
- Random quote is displayed on the screen every time the user press space bar.

Terminal Dictionary

- Created a dictionary which can be used on any system where we can search for the **meaning, synonym, antonym, example usage** of any word right from our terminal.
- Just type the tag "dict" followed by the word for which you want knowledge. Using **WordkNik Api** and **termcolor**, the above mentioned information about that word will be displayed right on your current working terminal.
- Also, a word of the day is displayed at the end.