

Gagan Talreja

Full Stack Developer · B.Tech Graduate

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EDUCATION

Bennett University

B.Tech in Computer Science CGPA: 9.37/10.0

Greater Noida, India

Graduated: July 2021

City Montessori School

ISC, Science: 96%

Lucknow, India

Graduation: July 2016

City Montessori School

ICSE: 92%

Lucknow, India

Graduation: July 2014

EXPERIENCE

Innovaccer

Site Reliability Engineer I

Noida, India

Oct 2021 - Present

- Created automation scripts in Python for obtaining usage of different resources on AWS to estimate and reduce cloud costs.
- Worked with a dedicated team to develop an infrastructure installer for deploying services on cloud using Python and Terraform.
- Worked on creating automation scripts for deploying and monitoring security tools.
- Solving Production Incidents.

Commvault

SDET Intern

Bengaluru, India

Jan 2021 - Sept 2021

- Created Automation for features for end user product.
- Manually tested and found vulnerabilities and reported them to concerned Devs.
- Involved in suggesting enhancements for features in further releases.
- Solving customer issues and creating reports.

Youngun India

Product Developer

Gurugram, India

Feb 2020 - Jan 2021

- Developed a dashboard to be used by the admin to assign social media platforms to the memes provided by their clients.
- Created functionalities like uploading/removing files, creating, and managing meme campaigns using tools and technologies like AWS, Flask, and NodeJS.
- Unit testing features and reporting any bugs found.

Mindhug

Technology Intern

Remote

May 2020 - July 2020

- Contributed in the development of web and mobile interface of user dashboard and administrator dashboard using technologies like GCP, PostgreSQL, Flutter and MongoDB.

Radio Mirchi, Times Network

Data Analyst Intern

Noida, India

Nov 2018 - March 2019

- Successfully created a software to automate the process of FCT and Song Analysis on a raw data file extracted from AirCheckIndia.com.
- Created a software to compare advertisements and songs played at different radio stations over a period using PyQt5 and Plotly.

PROJECTS

CAPGEN - CAPTION GENERATION TOOL

Aug 2020 - Nov 2020

- Scraped images using **Scrapy** and **BeautifulSoup** from various social media platforms to create an image dataset.
- Utilized the **Google Vision API** to detect emotion from images.
- Utilized the **GPT-2** module in Python to generate text based on the emotion in images.
- Created a web application using **Flask** and a mobile application using **Flutter** for the above utility.

Mail and Message API

Dec 2019 – Jan 2020

- Used the **way2sms** API to send SMS using Python.
- Utilized the **Flask-Mail** module to send automated emails.
- Added the functionality to schedule the above tasks using **App Scheduler** module in Python.

Tweet Inspector - Abuse Detection in Twitter

Sep 2019 – Nov 2019

- Utilized the **Twitter v1 API** to create a dataset of **Hindi** tweets.
- Used Machine Learning and Deep Learning algorithms to analyze the above tweets and predict them as abusive and non-abusive.
- Utilized the above module to create a dashboard and analyze tweets centered around 2019 General Elections to present a detailed summary.

GeoStudy - Feature Extraction from Geospatial Imagery

Mar 2019 – Apr 2019

- Created a software using **PyQT5** to analyze geospatial images.
- The software can be used to analyze land features using different indices like NDVI.

Encrypto - A Steganography Tool

Oct 2017 – Nov 2017

- Implemented an algorithm to hide random binary data in greyscale images.
- The algorithm was implemented in **Python** and the UI was created using **Tkinter**

RELEVANT COURSEWORK

- Data Structures and Algorithms, Operating Systems, Computer Networks, Introduction to Machine Learning

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, Golang(familiar), Dart(familiar), PHP, HTML/CSS, Javascript, C/C++(familiar)
- **Libraries and Frameworks:** ReactJS, Flask, NodeJS, Flutter(familiar), jQuery
- **Tools and Technologies:** JIRA, GCP, AWS, Heroku, Hadoop(familiar)