

# Abhishek Gupta

in [linkedin.com/in/abhishek-m-gupta/](https://www.linkedin.com/in/abhishek-m-gupta/)

## EXPERIENCE

### Infinity Holdings — Software Developer Part-Time

April 2021 - March 2022 (Duration: 1 Year)

- ★ Responsible for the complete back-end development of the website, which mainly includes **creating and maintaining the database and developing APIs in Django** which interacts with the database and external hardware components.

### Nlpbay — AI/ML Intern

September 2020 - January 2021 (Duration: 4 Months)

- ★ **Building AI conversational chatbot using RASA** framework and testing integration of **3rd party APIs**, interaction with RDBMS, and **deployment on social media platforms**.
- ★ Building a Recommendation system via data mining and integrating it into the chatbot. And lastly **building a chatbot agent-handoff application end to end**.

### DShatabdi — Software Developer Intern

July 2020 - October 2020 (Duration: 4 Months)

- ★ Responsible for building a **scraping application** that scrapes real-time stock data of over **6000+ enlisted companies in the Indian stock market in less than 6 minutes**.
- ★ For strategic analysis of option data, developed **interactive payoff chart desktop application**.

## PROJECTS

### [CODIFY: Natural Language to Code Generator for Data Science Applications](#) [ [Paper](#) ]

- ★ Codify enables data scientists to perform all the tedious and time consuming tasks in the data-science life cycle, by only conveying the logic of the task in natural language (English) and the system will automatically give out all the relevant python code snippets.
- ★ To achieve this goal we have aggregated and prepared a custom dataset from various online sources, and then tested and compared the performance of various models like **Facebook InferSent, GloVe based word embedding, Semantic Subword Hashing, and TF-IDF model for intent classification**, in which GloVe based word embedding model achieved the **highest accuracy of 88.60%**, and then this model is used in conjunction with the **NER model** to convert natural language queries to its relevant python code snippets.

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[github.com/Elysian01](https://github.com/Elysian01)

[leetcode.com/Elysian01/](https://leetcode.com/Elysian01/)

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## SKILLS

**Languages:** C/C++, and Python.

**Web Components:** PHP7, Flask, HTML5, CSS3, Javascript, Node, Mongodb, MySql, and UI/UX.

**Data Science:** Machine Learning, Deep Learning, Tensorflow, Keras, Sci-kit Learn, and Rasa.

**Tools:** Adobe XD, and git.

**Platforms:** Linux, Windows, Android

## EDUCATION

### International Institute of Information Technology Bangalore

July 2025

M.Tech - CSE

### Fr. Conceicao Rodrigues Institute of Technology, Mumbai

August 2022

B.E - Information Technology

CGPI:- 9.52 (85.81%)

### Sanpada College of Commerce and Technology, Mumbai

May 2018

HSC

Percentage:- 85.08%

### St. Lawrence High School, Mumbai

May 2016

SSC

Percentage:- 84%

## ACHIEVEMENTS AND HONORS

- ★ Author of [Data-Purifier](#) library written in Python, having 40,000+ downloads.
- ★ Secured AIR 1517 in GATE 2023.
- ★ Secured 3rd Rank in SE IT for Academic Year 2019-20.
- ★ Acquired 1st Place in Final Year Project Competition and 2nd Place in IOT Project Competition in FCRIIT Vashi.

## [Data-Purifier](#)

- ★ Built a Python library for Automated Exploratory Data Analysis, Automated Data Cleaning, and Automated Data Preprocessing For Machine Learning and Natural Language Processing Applications in Python. Currently, it has more than **36000+** downloads.

## [Sign-Language-Translator](#)

- ★ Sign Language Translator enables the hearing-impaired user to communicate efficiently in sign language, and the application will translate the same into text/speech.
- ★ The user has to train the model, by recording its own sign language gestures. Internally it uses **MobileNet and KNN** classifier to classify the gestures. The user also has the privilege to save the model, upload a pre-trained model, and record gestures while speaking to other people.

- ★ Acquired *2nd* Place in Summer Project Competition FCRIIT Vashi.
- ★ Golden Badge in Python, Problem Solving, Statistics, and SQL on Hackerrank.

### ONLINE COURSES

- ★ Deep Learning Specialization Certification by [deeplearning.ai](#) and Coursera.
- ★ Acquired “Deep learning Masterclass” Certification offered by [TFUG](#) [THRISSUR](#).

### DOMAIN INTERESTED

- ★ Machine Learning
- ★ Web Development
- ★ Deep Learning
- ★ Natural Language Processing
- ★ Chatbots