

# BASUDEV TYAGI

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Portfolio | LinkedIn | GitHub | HackerRank | Leetcode

## EDUCATION

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### Graphic Era Deemed to be University

B.Tech. CSE

CGPA: 8.86

Dehradun, Uttarakhand

2019 - Present

### Raja Rammohan Roy Academy

XII (ISC)

Percentage: 85%

Dehradun, Uttarakhand

2019

### Raja Rammohan Roy Academy

X (ICSE)

Percentage: 94.4%

Dehradun, Uttarakhand

2017

## EXPERIENCE

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### CAPGEMINI | Senior Analyst Trainee

Bangalore, Karnataka | Jan 2023 - Apr 2023

- Worked on the development of a Bank Server Application evolved in different phases starting from a simple database as array application to a Spring Boot Web Service.
- Learned and made use of technologies like Maven, Spring and AWS to complete the development of the Bank Server Application as per the given requirements.

### KODERS KORPORATION | Junior Developer - I

Dehradun, India | Oct 2022 - Dec 2023

- Worked collaboratively with the development team on an on-going project – **Instaride**, which is a **car pooling application that will be functional in Germany**. As a Backend Developer I was responsible for **creating the API using Flask** to interact with the database for creating, reading and updating user data. I was also responsible for creating the **payment system service's backend using Stripe**.
- Prepare reports and attend scrum meetings with the development team and stakeholders for project Instaride.

### KODERS KORPORATION | Developer Intern - II

Dehradun, India | July 2022 - Sept 2022

- Worked collaboratively with the development team on an on-going project – **Instaride**, which is a **car pooling application that will be functional in Germany**. As a Backend Developer I was responsible for **creating the API using Flask** to interact with the database for creating, reading and updating user data. I was also responsible for creating the **payment system service's backend using Stripe**.
- Led a team of interns to create a simple **Resume Parser** to extract very basic information (name, phone number, email, skills) about a job applicant at the company using **Regex Matching** and **POS Tagging**.
- Developed and delivered an **Auto Updater microservice** for a client, which checks for updates to an application by comparing its SHA256 checksum to the latest version on a server to ensure the integrity and reliability of the updates. I was also responsible for building, testing, and delivering the working code, as well as **setting up a CI/CD pipeline using Docker** on the server to deploy the updater and the application.

### KODERS KORPORATION | Python Developer Intern

Dehradun, India | Jan 2022 - June 2022

- Worked collaboratively with clients and development team to provide backend for EponNFT, an Ethereum based NFT Minter Application using **web3.py** and **Flask**.
- Worked on Spam Invite Joiner, a CLI application that allows a user to **monitor a Discord channel for invite links** and **join the links** using the provided accounts as soon as they are sent in the aforementioned channel using **discord.py**.

## PROJECTS / OPEN-SOURCE

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### ANALYSIS OF INDIAN ELECTIONS USING TWITTER | [Link](#)

Python, Twitter API

A simple **Data Science** project, showing the **volume and sentiment analysis** based on the tweets of the users of Twitter. The tweets are obtained from this dataset which are **scraped from the Twitter API** and then the insights are represented through **graphs using plotly**, a python library.

**OFFENSIVE CONTENT DETECTION FLASK WEB-APP** | **Link** *Python, Twitter API, Machine Learning, Flask Web Framework*

**Python** built Web Application (using **Flask Web Framework**) that allows a user to give multiple text inputs or fetch **tweets from Twitter API** and run a trained **Machine Learning Model (using Logistic Regression Algorithm)** to classify them as “Offensive” or “Non-Offensive” with an accuracy between 94-96%.

**STUDENT REPORTCARD GENERATOR** | **Link**

*Python, Tkinter, SQLite*

Python built **GUI Application (using tkinter module)** that allows a user to add, edit, search, delete and generate a Report Card for a student in pdf format and doc formats. The data is stored in a **local database file using SQLite**.

## SKILLS

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Programming Languages:	Python (Proficient), Java (Proficient), C & C++ (Basic), JavaScript (Basic), SQL (Proficient), HTML & CSS
Libraries / Frameworks:	Flask, Django, Bootstrap, Node.js, Express.js, Spring, Spring Boot, Hibernate
IDEs / Software Packages:	Visual Studio Code, Eclipse IDE, Jupyter, PyCharm, Adobe XD & Figma (UI/UX Designing)
Databases:	MySQL, SQLite, PostgreSQL, GraphQL, MongoDB
Version Control:	Git, GitHub
Cloud Services:	Hasura, Firebase, GCP, AWS
Build Tools / Package Managers:	Maven, PIP, Node

## CERTIFICATIONS

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- Introduction to Relational Databases (RDBMS) - **Coursera, IBM**
- Relational Database Administration (DBA) - **Coursera, IBM**
- Databases and SQL for Data Science with Python - **Coursera, IBM**
- Foundation of User Experience (UX) Design by Google - **Coursera, Google**
- Hands-on Introduction to Linux Commands and Shell Scripting - **Coursera, IBM**
- Python (Basic) - **HackerRank**
- Java (Basic) - **HackerRank**
- SQL (Basic) - **HackerRank**

## HONORS & AWARDS

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AWS Machine Learning Scholar 2021

Contributor in GWOC'21

Successfully merged 4 PRs for Hacktoberfest 2021

Completed FutureSkills Prime Adobe UX Foundation Journey 2021