

# ANSHUL KUMAR

## PYTHON DEVELOPER

### CONTACT

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### SKILLS

- Python
- MySQL
- Flask
- Django
- Web Scraping
- MongoDB
- Celery
- Rest API

### EDUCATION

#### S.D College of engg. and tech.

##### Bachelor of Technology

2020-2024

- Acquiring proficiency in Database Management Systems (DBMS) and Object-Oriented Programming (OOP) concepts.
- Collaborated on a college project involving team management and project presentations.

#### Ducat Noida

##### Web Development

2022-2023

- Acquire knowledge of web application database schemas for performance and data integrity. Develop full-stack applications using Flask, Django, HTML, CSS, MongoDB, SQL, Celery, and Redis.

#### Saraswati Vidhya Mandir

##### Secondary School

2016-2020

### PROFILE

Being a Python developer with a Computer Science degree, my motivation stems from my passion for learning and fostering innovation. Throughout my internship spanning six months, I refined my skills in building web applications (using Django and Flask), developing data analysis tools, and crafting automation scripts (leveraging multiprocessing and web scraping techniques). My diverse project portfolio includes a crawler for Flipkart/Amazon, a train status application, and a face recognition project, showcasing my adaptability and eagerness to explore domains. I am excited to utilize my Python expertise to make a contribution in an environment!

### WORK EXPERIENCE

#### Backend Developer

VakilDesk Pvt. Ltd.

2023-24

- During my 6-month internship at VakilDesk Pvt. Ltd., I refined my expertise in full-stack development by constructing practical web applications utilizing specific technologies and projects. Proficiency in Python allows me to adeptly manage intricate data manipulations, automate tasks, and integrate APIs seamlessly.
- My adeptness in Django and Flask enables the creation of scalable and well-maintained web applications with structured backends and user-friendly interfaces. Competency in MongoDB and SQL facilitates proficient handling of both relational and non-relational databases, ensuring data integrity and efficient data retrieval.
- Experience with Celery and Redis equips me to design and execute asynchronous task queues and caching mechanisms to enhance application performance. Proficiency in multiprocessing and multithreading enables me to optimize code for parallel execution, improving application responsiveness and handling concurrent requests effectively.
- A comprehensive understanding of REST APIs and web scraping empowers me to seamlessly integrate external data sources and services into my projects.

### PROJECTS

#### TrainTransit: Real-time Train Tracking App (Flask, MongoDB)

Project Link: <https://mytrain.onrender.com/>

2024-24

**My Role:** Backend Development (API Development, Data Handling, User Management)

- Collaborated with a team to develop a web app for real-time train tracking and booking using Flask, HTML, CSS, JS, MongoDB, and the requests module.
- Successfully implemented APIs to fetch live train data (availability, location).
- Built a user-friendly interface using AJAX to dynamically display train information on the webpage.
- Integrated MongoDB for secure user data storage and management, including login system and personal search history.
- Developed a user panel for account management and past train searches
- This project demonstrates my ability to collaborate effectively, contribute to a complex web application, and handle backend development tasks like API development, data handling, and user management.