# Praful Vats

Python, C++

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## SUMMARY

Kinetic, Strategic, and Innovative individual, with an interest in the science of software development and a curiosity to explore the capabilities of programming languages. With knowledge of software designing, developing, and implementing testing plans. Proficient in working in agile methodology and communicating with the team to build software services and products.

## EDUCATION

- **SRM Institute of Science and Technology** — Ghaziabad, India
  *Bachelor's in Computer Science and Engineering (CGPA-8.08)* — 2018 - 2022
  Courses: Operating Systems, Data Structures and Algorithms, Object Oriented Design, Programming and Database Management Systems.

- **St. Mary's Convent Sr. Sec. School** — Dhampur, India
  *Class 12th or equivalent* — 2006 - 2017
  Courses: Mathematics, Computer Science, Physics, Chemistry, English.

## SKILLS SUMMARY

- **Languages**: Python, C++, Java, HTML, CSS, JavaScript
- **Frameworks/Library**: Django, GraphQL, React, Asyncio, Websocket
- **Tools**: Postman, AWS, Git, MySQL,PostgreSQL, REST API, Linux
- **Soft Skills**: Collaborating, Problem-solving, Communication, Teamwork

## EXPERIENCE

- **Imbibe Consultancy(Acenet)** — Gurgaon, India
  *Junior Software Developer* — 2021 – 2022
  - **Application Tracking System**:
    - Developed web application by using **Django**, **React**, and **MySql** to increase HR workflow by 25%.
    - Increased server query response time by restructuring APIs in **Python**.
    - Designed the frontend elements, mapped the application routes, and edited a Bootstrap-based admin template.

- **Alea IT** — Jaipur, India
  *Python Development Intern* — 2021 – 2021
  - Hands-on with API for the medical application with **Django Rest Framework**.
  - Quality assuring the workflow of **Python** APIs and UI/UX.
  - Research in API and UI automation using Postman to increase the productivity of QA.

- **National Informatics Centre** — Delhi, India
  *Software Development Intern* — 2021 – 2021
  - Developed a website information portal for displaying metadata using **Python**, and **Django**.
  - Created real-time NS-Lookup with import/export data feature integrated with ipv4 and ipv6 addresses.
  - Decreased manual workforce of Up or Down status info by implementing upload feature for excel with URLs.

## PROJECTS

- **Dalal Street**
  *Real-Time Data Processing Platform*
  - Developed a real-time data processing and analysis platform using **Python**, **Django REST** and **React**.
  - Built WebSocket consumer to stream real-time stock using **Django Channels**, **WebSocket**, and **AsyncIO**.
  - Designed a React frontend that sends requests to the server using websockets over **REST API**.
  - Utilized asyncio for WebSocket communication to efficiently handle asynchronous I/O operations.

- **Kaha**
  *Traffic Monitoring System*
  - Developed a real-time GPS vehicle tracking system using **Django REST Framework** and **React**.
  - integrated **Websockets** to enable real-time communication and implementing **REST APIs** for data exchange.
  - Built using asyncio for high-performance and scalable I/O operations, and Django for web framework and **ORM**.