

Praful Vats

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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, React, Node.js GraphQL, Asyncio, Websocket
- **Tools:** Postman, AWS, Git, MySQL, PostgreSQL, REST API, Linux, Docker
- **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** dalalstreet.space
Real-Time Data Processing Platform
 - Developed a real-time stock processing platform using **Python**, **Django REST** and **React**.
 - Built **WebSocket** consumer to stream real-time stock using **Django Channels** and **AsyncIO**.
 - Designed a React frontend that sends requests to the server using websockets over **REST API**.
 - Deployed **Docker** image on **AWS** with EC2 instance, Load Balancer, Route 53 and Cloudfront.
- **Projects** praful-vats/projects
Generative Adversarial Network & React.js
 - Developed a **Generative Adversarial Network** mini applications using GAN models and APIs.
 - Integrated reciprocal web applications for visual and physical interaction using **ML5.js** and **P5.js**.
 - Built upon **React.js** with responsive UI/UX and high quality markup using HTML, CSS and JavaScript.