

Praful Vats

Linkedin: [linkedin.com/in/praful-vats/](https://www.linkedin.com/in/praful-vats/)

Github: github.com/praful-vats/

Portfolio: praful-vats.github.io

Email : prafulvats01@gmail.com

Mobile : +91-8529801859

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.

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

Self-Employed

- *Software Development Engineer* 2022 – 2023
 - Enhanced user efficiency by 15% through the development and optimization of inventory management using Django and Python.
 - Significantly improved user experience by building a new React component, resulting in a 2-minute reduction in the average time on page.
 - Achieved a 40% improvement in page load times and reduced server load by 30% through the optimization of a RESTful API, showcasing technical proficiency and performance impact.

Acenet

- *Junior Software Developer* 2021 – 2022
 - **Application Tracking System:**
 - Accomplished seamless recruitment workflow automation by a 40% reduction in hiring cycle time, utilizing React, Python, Django, and MySQL to build a robust Full Stack Application Tracking System.
 - Spearheaded the development of a Full Stack Application Tracking System, streamlining recruitment processes and enhancing team productivity.
 - Demonstrated expertise in modern web development by orchestrating system enhancements, resulting in a 15% improvement in server query response times.

Alea IT

- *Python Development Intern* 2021 – 2021
 - Enhanced API performance for a medical application using Django Rest Framework, ensuring seamless data transmission and system reliability.
 - Assured the quality of Python APIs and UI/UX, maintaining a high standard of functionality and user experience.
 - Pioneered API and UI automation research with Postman, resulting in increased QA productivity and streamlined testing processes.

National Informatics Centre

- *Software Development Intern* 2021 – 2021
 - Designed and developed a metadata information portal using Python and Django, providing an efficient platform for displaying website details.
 - Innovated a real-time NS-Lookup system with seamless import/export functionality for both IPv4 and IPv6 addresses, enhancing network diagnostic capabilities.
 - Took the initiative in automation efforts by introducing an excel upload feature for URL status updates, resulting in a significant reduction in manual workload.

PROJECTS

- **Dalal Street**
Real-Time Data Processing Platform <https://dalalstreet.space>
 - 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**
Generative Adversarial Network & React.js <https://praful-vats.github.io/projects/>
 - 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.

EDUCATION

- **SRM Institute of Science and Technology**
Bachelor's in Computer Science and Engineering *2018 - 2022*
Courses: Operating Systems, Data Structures and Algorithms, Object Oriented Design, Programming and Database Management Systems.
- **St. Mary's Convent Sr. Sec. School**
Class 12th or equivalent *2006 - 2017*
Courses: Mathematics, Computer Science, Physics, Chemistry, English.