

# Gaurav Nagose

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## Profile Summary

**Backend Developer** skilled in building **Web Applications** and **REST APIs** using **Django** and **Django REST framework**. Capable of collaborating with **frontend** teams and handling **SQL Databases**, integrating **real-time features**, and optimizing backend performance. Dedicated to delivering reliable and scalable **backend systems** that support innovative projects and solve complex challenges, while adapting to the evolving business needs.

## Skills and Strengths

- **Backend Development:** Python, Django (Django REST Framework, WebSockets, Django Channels, Celery)
- **Frontend Development:** HTML, CSS, Bootstrap, JavaScript, AJAX
- **Database and Caching:** SQL, MySQL, PostgreSQL, Redis (with Channels-Redis)
- **Tools and Technologies:** Git, GitHub, Docker, Linux, Elasticsearch, Postman
- **Soft Skills:** Leadership & Collaboration, Self-learning & Adaptability, Analytical Thinking & Decision-making

## Internship Experience

### Python Django - Backend Developer Intern

December 2023 – August 2024

Callisto IT Solutions

Nagpur, Maharashtra

- Developed a robust and scalable **Polling application** using **Python** and the **Django framework**, adhering to best coding practices. Implemented features such as **various categories of poll creation**, **vote casting**, **result visualization**, and **user authentication via OTP verification through email or Google sign-in**.
- Created an **admin panel** and developed functionalities for data visualization on the **dashboard**, **password changing**, **user management**, and **poll management**, providing an intuitive interface for administrators.
- Authored a comprehensive **user guide for system architecture** to facilitate smoother handovers and application testing. *Collaborated with the frontend team* to integrate user-facing components with server-side logic.

## Personal Projects

### GitHub Pull Request Review System

[API Documentation](#)

[GitHub Repository](#)

- Built a **microservices-based system** to automate GitHub's PR review process using **Django-Ninja (API Gateway)** and the **Django REST Framework (Code Analysis)**. Integrated **Groq LLM** for code review and **Celery with Redis** for scalable background task processing.
- Learned about **microservices architecture**, **API integrations**, and **background processing**. The system fetches PR files via GitHub's API, analyzes the code, and provides possible issues and improvement suggestions.

### Real-time Chat Application

[View Demo](#)

[GitHub Repository](#)

- Designed and developed a **real-time chat application** using **Django Channels**, **WebSockets**, and **Channels Redis** to explore **real-time communication** and **concurrency handling** in Django. Created as a hands-on project to solidify **advanced backend concepts** and **dynamic communication systems**.
- Engineered an **exclusive message preview system** with a **user-controlled toggle**, enabling **real-time previews while typing** and **improving user experience**. Gained hands-on experience in **WebSocket lifecycle** and **efficient connection management** and prepared the system for future integration of **end-to-end encryption**.

## Educational Qualifications

### Guru Nanak College of Science (Gondwana University)

Bachelor of Computer Science (BSc CS)

Ballarpur, Maharashtra

September 2020 - August 2023

### Jawahar Navodaya Vidyalaya (JNV)

Schooling (CBSE Board)

Chandrapur, Maharashtra

July 2013 - April 2020

## Professional Certifications

Django Web Framework - Meta (Coursera) [🔗](#)

Programming in Python - Meta (Coursera) [🔗](#)