

Prabal Gautam

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Summary

Back-end Developer with 2.5+ years of experience in building scalable Django-based web applications, REST API development, and integrating AI/ML services (Gemini, OpenCV). Skilled in Python, MySQL, and version control using Git. Enthusiastic about solving real-world problems through clean code and innovative solutions.

Projects

AI-Powered Dream Interpretation

(March 2025 – April 2025)

Tech stack: Django, Bootstrap, Gemini API

- Built a Django web app for AI-powered dream interpretation using the Gemini API.
- Blended dark mode, interactive UI, real-time insights, and secure data handling.
- Demonstrated skills in backend development, AI integration, and scalable systems.

Face Recognition Login System

(January 2025 – March 2025)

Tech stack: Django, HTML, CSS, OpenCV, face-recognition

- **Django-based web app** implementing **facial recognition** for user authentication.
- Utilizes **OpenCV** and **face-recognition library** for secure, real-time login and registration.
- Enables **face-based sign-up** and **live facial matching** for seamless authentication.

Desktop AI Assistant

(November 2024 – January 2025)

Tech stack: Python, Tkinter, Gemini API

- Developed a **voice-controlled AI assistant** using **Python** and the **Gemini API** for efficient task automation.
- Integrated **NLP based command parsing** and **response generation** for seamless hands-free interaction.
- Achieved a **30% boost in productivity** through **voice-based task management** and smart automation.

Complaint Management System

(July 2024 – August 2024)

Tech stack: Django, Bootstrap, HTML, CSS

- Built a comprehensive **customer complaint management system** with efficient handling features.
- Created a **user-friendly interface** for smooth navigation and enhanced user experience.
- Implemented **complaint tracking, prioritization, categorization**, and added communication channels for better support.

Donation Page

(April 2024 – April 2024)

Tech stack: Django, HTML, CSS, Razorpay API

- Implemented a **donation platform** with **Razorpay API** for secure, real-time transactions.
- Embedded **secure payment gateways** to ensure safe and reliable donation processing.
- Designed an **intuitive user interface** to enhance the donor experience and usability.

Image Uploader

(March 2024 – March 2024)

Tech stack: Django, HTML, CSS

- Enabled **visual content management** through a seamless **image upload interface**.
- Integrated an **image uploader** for efficient photo handling and organization.
- Streamlined the process of **adding and managing images** to boost system efficiency.

Employee Management System

(October 2023 – October 2023)

Tech stack: Django, Bootstrap

- Designed an efficient employee profile management system with add/remove functionality.
- Implemented **secure login authentication** to ensure authorized access.
- Enhanced system usability and **data security** through streamlined user management.

Experience

Freelance Back-end Developer

Ramanujan College, University of Delhi–Delhi, India

July 2024 – Aug 2024

- **Engineered** a full-stack complaint management system that improved grievance resolution efficiency by **40%** through automated tracking and categorization.
- **Implemented** secure user authentication and admin workflows using Django, ensuring safe role-based access to complaints.
- **Optimized** backend performance and responsiveness by deploying the application on **Amazon EC2**, reducing server load time by **30%**.
- **Integrated** automated email alerts for real-time updates on complaint status, enhancing user engagement and transparency.
- **Collaborated** with students and faculty to gather feedback, resulting in a **95% satisfaction rate** in post-deployment surveys.

Education

Ramanujan College, University of Delhi – Delhi, India

B.Sc. (Hons.) Computer Science | Sep 2022 - May 2026

Technical Skills

- **Languages:** Python, JavaScript (Basic), SQL
- **Frameworks & Libraries:** Django, Django REST Framework, Bootstrap, OpenCV, face_recognition
- **Databases:** MySQL, SQLite
- **Web Technologies:** HTML5, CSS3, RESTful APIs
- **Tools & Platforms:** Git, GitHub, VS Code, Amazon EC2
- **AI/ML APIs:** Gemini API