

# Prabal Gautam

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## Projects

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### DreamVista - AI-Powered Dream Interpretation

**Tech stack:** Django, Bootstrap, Gemini API

AI-Powered Dream Interpretation is a Django-based web app that uses the Gemini API for AI-driven dream analysis, sentiment detection, and categorization. Features dark mode, interactive UI, real-time insights, and secure data handling for a seamless user experience. This project highlights my skills in backend development, AI integration, and scalable web applications.

### FaceGate - A Face Recognition Login System

**Tech stack:** Django, HTML, CSS, OpenCV, Face\_recognition

A Django-based web application that integrates facial recognition technology for user authentication. This project leverages OpenCV and the face\_recognition library to provide a secure, intuitive, and modern login experience. Users can sign up through face-based registration by capturing their face using their device's camera. For authentication, the system captures live facial data and matches it with stored records, enabling effortless and secure login verification.

### Nexus - Desktop AI Assistant

**Tech stack:** Python, Tkinter, Gemini API

Developed Nexus, an advanced AI assistant designed to streamline tasks and improve efficiency. It provides hands-free digital assistance through voice commands, allowing users to interact seamlessly. By implementing NLP techniques, the assistant enables voice-based task management, enhancing efficiency and improving overall user experience over time.

### Grievio - Complaint Management System

**Tech stack:** Django, Bootstrap, HTML, CSS

Developed a comprehensive solution to handle customer complaints efficiently. The system features a user-friendly interface for seamless navigation, ensuring a smooth user experience. It incorporates complaint tracking, prioritization, and categorization while integrating effective communication channels to enhance customer support and resolution processes.

### Donation Page

**Tech stack:** Django, HTML, CSS, Razorpay API

Built a donation platform integrated with Razorpay API, enabling secure, real-time transactions and improving donor experience. The system incorporates secure payment gateways to ensure safe and reliable transactions. Additionally, an intuitive user interface was designed to enhance the overall donation experience, making the process more user-friendly and efficient.

### Image Uploader

**Tech stack:** Django, HTML, CSS

Enhanced visual identification within the system by integrating an image uploader for seamless photo management. The system ensures a streamlined process for adding and managing images, improving efficiency and organization.

### Employee Management System

**Tech stack:** Django, Bootstrap

Developed a system to efficiently manage employee profiles, incorporating functionalities for adding and removing employees with ease. The system also features secure login authentication to enhance overall security and ensure authorized access.

## Education

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**Ramanujan College, University of Delhi – Delhi, India**

*B.Sc. (Hons.) Computer Science*

September 2022- Present

## Technical Skills

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**Languages:** Python

**Web Development:** Bootstrap, HTML, CSS

**Backend & Databases:** Django, MySQL, REST API

**Tools:** Git, GitHub

**AI/ML Tools:** OpenCV, face\_recognition