

Prabal Gautam

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Projects

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.

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 a facial image. For authentication, the system captures live facial data and matches it with stored records, enabling seamless and secure login.

Desktop AI Assistant

Tech stack: Python, Tkinter, Gemini API

Developed Nexus, a voice-controlled AI assistant designed to streamline tasks. 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 productivity and user experience.

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

Enabled visual content management through an image upload interface 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

Ramanujan College, University of Delhi – Delhi, India

B.Sc. (Hons.) Computer Science

September 2022 - Present

Technical Skills

Languages: Python

Web Development: Bootstrap, HTML, CSS

Backend & Databases: Django, MySQL, REST API

Tools: Git, GitHub

AI/ML Frameworks & Libraries: OpenCV, face_recognition, Generative AI APIs (Gemini)