

Prabal Gautam

Software Developer | Backend & Web Application Specialist

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github.com/prabalgautam05 prabalgautam05.github.io/profile (Portfolio)

SUMMARY

I am a backend developer and AI enthusiast, currently a 3rd-year Computer Science (Hons.) student at the University of Delhi. I specialize in Python, Django, and APIs, aiming to build scalable systems that solve real-world problems. I have recently started exploring deep learning, NLP, and generative AI. I am focused on pushing the boundaries of Gen-AI and deep learning to drive the future of automation and AI-driven solutions.

PROJECTS

DreamVista - AI-Powered Dream Interpretation

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

FaceGate - A Face Recognition Login System

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

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

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

Created a crucial platform to facilitate seamless donations. 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

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

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.

TECHNICAL SKILLS

- **Web Development:** API, Bootstrap, CSS, HTML, JavaScript
- **Backend Development:** Django, Python
- **Database:** MySQL
- **Version Control:** Git & GitHub

SOFT SKILLS

- Leadership & Project Management
- Effective Communication & Team Collaboration
- Organizational Skills & Time Management
- Critical Thinking & Problem-Solving

EDUCATION

B.Sc. (Hons.) Computer Science

- September 2022 – September 2026
- Ramanujan College, University of Delhi