Prabal Gautam

SOFTWARE DEVELOPER | BACKEND & WEB APPLICATION SPECIALIST

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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

EXPERIENCE

Customer Executive, *Ferns N Petals*   **January 2024 – February 2024**

- Provided prompt service to over 100 customers weekly, resolving issues with a 95% satisfaction rate.
- Maintained correct records, improving complaint tracking efficiency by 20%.
- Collaborated with cross-functional teams to enhance customer retention strategies, resulting in a 15% increase in repeat customers.

Marketing & Event Coordinator, *Vavo Digital*   **November 2023 - January 2024**

- Organized 5+ on-campus events, increasing student engagement by 40%.
- Managed social media campaigns, leading to a 25% growth in Vavo Digital's following.
- Collaborated with faculty and student organizations, promoting Vavo Digital's benefits to over 500 students.
- Collected user feedback, resulting in a 30% improvement in platform user experience.

Event Assistant, *Indian Mobile Congress*   **September 2023 - October 2023**
- Contributed to the success of the India Mobile Congress, aiding 200+ attendees and helping to improve event coordination by 20%.
- Provided logistical support for 10+ exhibitors and 5+ speakers, contributing to a 30% increase in attendee satisfaction based on positive feedback from event organizers.

Research Collaborator, *YUVA Chapter (College Society)*   **November 2022 - January 2025**

- Presented research at two conferences, gaining recognition and contributing to the adoption of findings by over 50 industry professionals.
- I led 3+ research projects, improving project outcomes by 25% through enhanced critical thinking and problem-solving strategies.

Junior Council Member, *QuikSort (College Society)*   **November 2023 - January 2025**

- Organized 4+ workshops, attracting 200+ students and increasing participation by 40%.
- Facilitated peer learning sessions, improving team collaboration and knowledge-sharing by 30%.