

# Garima Bhayana

## AI Engineer | Building AI-Driven Products

+91 8287240001 | [garimaabhayanaa@gmail.com](mailto:garimaabhayanaa@gmail.com) | [linkedin.com/in/garimabhayanaa](https://www.linkedin.com/in/garimabhayanaa) | [Portfolio](#) | Delhi, India

### PROFESSIONAL SUMMARY

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Product-oriented AI Engineer and Software Developer with experience building and iterating AI-powered products across 4 internships. Strong at translating ambiguous requirements into usable, end-to-end systems, independently owning problem framing, feature scope, UI design, and system architecture. Consistently operated in a product-adjacent capacity, defining scope, prioritizing features, and iterating based on direct stakeholder and user feedback. Experienced in balancing usability, reliability, and technical constraints in AI-driven applications, and seeking early-career roles where engineering depth is leveraged to drive thoughtful product decisions.

### TECHNICAL SKILLS

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**Programming Languages:** Python, Java, C++

**AI/ML:** Machine Learning, Deep Learning, Transfer Learning, Natural Language Processing (NLP), Computer Vision, Generative AI, Data Analysis, Prompt Engineering, Model Evaluation, Inference Optimization, Performance Benchmarking, Iterative Testing

**LLM Systems:** Retrieval-Augmented Generation (RAG), Multimodal Large Language Models (LLMs), Hugging Face Transformers, Vector Databases (FAISS)

**Web and Product Engineering:** HTML, CSS, JavaScript, React.js, Next.js, TypeScript, Node.js, Express.js, Flask, Bootstrap, Tailwind CSS, RestAPI, FastAPI

**Databases:** SQL, PostgreSQL, MongoDB, Firebase

**Software Engineering:** Client-Server Architecture, Authentication & Authorization, WebSockets (Socket.IO), Microservices, Component-Based UI Architecture, Responsive & Accessible Interfaces

**DevOps (Working Knowledge):** Docker, Kubernetes, AWS

**Tools & Platforms:** Git, GitHub, Postman, Agile Methodology, CI/CD

**Strengths:** Problem Solving, Product Thinking, Team Collaboration, Leadership, Time Management, Communication, Adaptability

### EXPERIENCE

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#### DIRO

Artificial Intelligence Intern

October - January 2026

- Identified operational inefficiencies through stakeholder discussions and designed AI-assisted internal automation tools by translating evolving business requirements into deployable systems, working closely with Product Manager, testing and engineering teams.
- Scoped and implemented a rule-based, LLM-powered assistant to automate information extraction and structured documentation, iterating based on direct feedback.
- Generated 100+ color-coded synthetic PDF documents from anonymized templates using Aspose and Gemini APIs to support testing, validation, and data augmentation.
- Delivered 2 internal analytics dashboards to monitor usage, errors, and session-level metrics across 1000+ sessions, enabling observability and faster debugging.
- Regularly incorporated stakeholder feedback and shifting priorities, adapting feature scope and implementation to balance reliability, effort, and immediate business needs.
- Tools developed were used daily by team members, reducing manual effort and improving operational clarity.

#### JMedia Corporation (Remote - International, US-based)

Artificial Intelligence Intern

May - August 2025

- Worked across 4 AI-driven projects, independently implementing 5-7 ML solutions while clarifying ambiguous requirements and proposing improvements beyond initial briefs.
- Shaped user workflows and owned UI components for multiple projects, making decisions on layout, interaction flow, and usability without close supervision.
- Built reusable data preprocessing and inference pipelines (~10000-record datasets), enabling faster experimentation and consistent evaluation across projects.
- Iterated features directly based on complaints and requests from stakeholders, improving response quality and usability through techniques such as ensemble learning and pipeline optimization.

- Maintained close collaboration with data analysts and team leadership in a fully remote environment; work was regularly relied upon to unblock complex tasks and meet project timelines.

#### **AICTE (in collaboration with EY GDS)**

Software Development Intern

March - April 2025

- Developed and deployed CoCreate, a real-time collaborative document editor, owning the product end-to-end from feature definition to full-stack implementation.
- Independently defined user workflows and permissions, implementing live synchronization, role-based access control, and AI-assisted features using the MERN stack and Socket.IO.
- Defined interaction flows with a focus on reducing manual errors and improving collaboration efficiency.
- Tested concurrency and synchronization with 5 simultaneous users, improving system reliability and user experience.
- Refined features based on direct feedback from trial users; the project was selected among the top 15 projects in the program.

#### **AICTE Techsaksham (Microsoft & SAP CSR Initiative)**

Artificial Intelligence Intern

January - February 2025

- Architected a multimodal AI medical assistant with a focus on reliability, response quality, and real-world usability.
- Chose and implemented a RAG-based architecture using FAISS and Hugging Face models to improve factual grounding and reduce hallucinations.
- Engineered medical image classification workflows and NLP pipelines, while actively analyzing limitations related to data quality, evaluation, and real-world applicability.
- Adjusted system behavior based on user trials, balancing accuracy, performance, and trust in a sensitive healthcare context.

## **PROJECTS**

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### **Ayush Aarogya — AI-Powered Medicinal Plant Platform**

Tech: React.js, Flask, Firebase, Deep Learning, RAG

- Built a full-stack platform for medicinal plant identification and contextual information retrieval.
- Implemented a transfer-learning-based image classification model (Xception) for 7 plant categories.
- Structured a RAG pipeline over 4 PDFs to ensure grounded, explainable responses.
- Prioritised user-focused features such as multilingual support, text-to-speech, bookmarking, comparison modules, and 3D visualization to improve accessibility and engagement.

### **IntelliAssist — Desktop AI Assistant**

Tech: Python, PyQt5, Hugging Face, Groq, Cohere

- Created a local desktop assistant supporting 10–15 automated commands for file operations, search, summarization, and application control.
- Planned command execution flows and interaction logic to enable context-aware responses and reduce friction for everyday tasks.

## **EDUCATION**

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### **Dr. Akhilesh Das Gupta Institute of Professional Studies**

(Affiliated to Guru Gobind Singh Indraprastha University)

Bachelor of Technology, IT

2022 - 2026

GPA :8.7

### **Salwan Public School**

2022

Class XII - 93.8 %

Class X - 94.6%

## **ACHIEVEMENTS**

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- Semi-Finalist – Flipkart GRiD 7.0 (National Engineering Competition)
- GitHub Contributions – 500+ Commits
- LeetCode – 600+ Problems Solved , strengthening DSA fundamentals
- Research Publication - PlantMitra: An Intelligent Platform for Medicinal Plant Detection and Benefit Analysis, International Journal of Scientific Research in Engineering and Management (IJSREM), Oct 2025