

Garima Bhayana

AI/ML Engineer | Software Developer

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PROFESSIONAL SUMMARY

Results-driven AI Engineer and Software Developer with experience across 4 internships delivering production-ready AI systems and scalable software solutions. Skilled in LLM integration, Retrieval-Augmented Generation (RAG), multimodal AI, and full-stack development, combining ML expertise with strong backend and frontend engineering. Proven ability to translate ideas into deployable tools — from intelligent medical assistants to real-time collaboration platforms — with measurable efficiency and reliability. Passionate about building human-centric, scalable AI solutions that merge research with robust engineering.

TECHNICAL SKILLS

Programming Languages: Python, Java, C++

AI/ML: Machine Learning, Deep Learning, Neural Networks, 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

Web Development: HTML, CSS, JavaScript, React.js, Next.js, TypeScript, Node.js, Express.js, Flask, Bootstrap, Tailwind CSS

Frontend Engineering & UI/UX Practices: Component-Based Architecture, UI Responsiveness & Accessibility

Backend Engineering: RESTful APIs, CRUD, Client-Server Architecture, Authentication and Authorization, WebSocket Integration (Socket.IO), Microservices

Databases: SQL, PostgreSQL, MongoDB, Firebase

DevOps & Deployment: Docker, Kubernetes, AWS, CI/CD Pipelines, Netlify, Render

Tools & Platforms: Git, GitHub, Postman, Unit Testing, Agile Methodology

Soft Skills: Problem Solving, Team Collaboration, Leadership, Time Management, Communication, Adaptability

EXPERIENCE

DIRO

Artificial Intelligence Intern

October 2025 - Present

- Collaborated with engineering and product teams to plan and develop AI-assisted automation modules, improving internal workflow efficiency by ~30% and reducing documentation overhead.
- Built a chatbot-based interface that automated requirement extraction and structured documentation, cutting manual preparation time by 40%.
- Designed implementation plans for automated testing and reliability pipelines, enhancing deployment consistency and reducing error resolution time by ~25%.
- Developed two analytics dashboards providing visibility into session and browser activity, enabling early anomaly detection and improving system monitoring accuracy by 35%.
- Contributed to AI-driven observability initiatives, helping integrate predictive insights into engineering processes to improve traceability and development velocity.

JMedia Corporation (Remote - International, US-based)

Artificial Intelligence Intern

May - August 2025

- Developed and fine-tuned 5+ ML models with TensorFlow and PyTorch, improving predictive accuracy in analytics tasks.
- Engineered 3 AI pipelines processing 10K+ datapoints, cutting preprocessing time by 60%.
- Led development of 2 generative AI applications, improving automated content generation efficiency by 40%.
- Collaborated with international AI teams to deliver 5 technical milestones on schedule (98% on-time rate).
- Maintained zero security incidents through enterprise-grade dataset handling and compliance practices.

AICTE (in collaboration with EY GDS)

Software Development Intern

March - April 2025

- Architected "CoCreate," a real-time collaborative document editor (MERN + Socket.IO) with role-based access and AI assistance (Gemini API).

- Implemented 99% uptime architecture, supporting 10+ concurrent users with live synchronization.
- Integrated Firebase Auth + CI/CD pipelines for seamless backend scalability and continuous updates.

AICTE Techsaksham (Microsoft & SAP CSR Initiative)

Artificial Intelligence Intern

January - February 2025

- Built a multimodal AI medical assistant using RAG + FAISS + Hugging Face + Groq API, handling 1K+ daily queries with 95% accuracy.
- Designed medical image classification modules achieving 95% diagnostic accuracy.
- Optimized NLP pipeline with custom medical tokenization, enabling 30% faster inference for complex terminology.

PROJECTS

Ayush Aarogya — AI-Powered Medicinal Plant Platform

React.js | Flask | Firebase | Deep Learning | RAG

- Designed a platform integrating AI image classification, 3D plant visualization, multilingual chat, and health remedy generation.
- Implemented a RAG pipeline and deep learning classifier for plant identification and recommendations.
- Features: 3D plant models, comparison module, text-to-speech, PDF bookmarking, and multi-language support.

IntelliAssist — Desktop AI Assistant

Python | PyQt5 | Groq | Hugging Face | Cohere

- Built a local AI assistant automating 30+ workflows, integrating NLP and multimodal APIs for advanced text and command understanding.

EDUCATION

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%

CERTIFICATIONS

AI & Machine Learning with IBM Watson – IBM

Cloud Computing with AWS – Internshala & NSDC

Postman API Fundamentals – Postman Academy

Web Development Bootcamp – Udemy

Data Structures & Algorithms in Java – GeeksForGeeks

ACHIEVEMENTS

Semi-Finalist – Flipkart GRiD 7.0

Reached semi-finals in Flipkart's national engineering competition among thousands of participants, demonstrating strong problem-solving and development skills.

GitHub Contributions – 500+ Commits

Maintained consistent activity across personal repositories with 500+ contributions focused on AI/ML, full-stack development, and automation.

Project Development – 10+ Projects

Independently built over 10 end-to-end projects spanning machine learning models, full-stack web applications (MERN stack), and developer automation tools.

LeetCode – 500+ Problems Solved

Strengthened data structures and algorithms proficiency by solving 500+ coding problems on LeetCode.

Research Publication

PlantMitra: An Intelligent Platform for Medicinal Plant Detection and Benefit Analysis published in the International Journal of Scientific Research in Engineering and Management (IJSREM), Volume 09, Issue 10, October 2025.