

Garima Bhayana

AI/ML Engineer | Software Developer

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PROFESSIONAL SUMMARY

Resourceful and impact-driven Software Developer and AI/ML Engineer with comprehensive proficiency in Python, Java, React.js, and modern ML frameworks such as TensorFlow, PyTorch, and scikit-learn. Adept at architecting intelligent systems, designing scalable full-stack applications, and engineering end-to-end machine learning workflows. Skilled in deploying real-time collaborative solutions, integrating multimodal LLMs, and leveraging API ecosystems to optimize user experience. Known for agile execution, technical leadership, and a relentless drive to deliver innovative, production-grade solutions in dynamic environments.

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, Data Preprocessing, Model Evaluation, Model Inference, Performance Benchmarking, Iterative Testing

LLM & GenAI Systems: Retrieval-Augmented Generation (RAG), Multimodal Large Language Models (LLMs), Hugging Face Transformers

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

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

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

Databases: SQL, PostgreSQL, MongoDB

DevOps & Deployment: CI/CD, AWS, Netlify, Render

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

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

EXPERIENCE

JMedia Corporation (Remote - US-based)

Artificial Intelligence Intern

May 2025 - Present

- Spearheaded the development of ML models and neural networks utilizing scikit-learn, TensorFlow, and PyTorch for diverse real-world implementations.
- Engineered secure, reproducible pipelines for model lifecycle management including preprocessing, training, validation, and deployment.
- Fostered cross-continental synergy within a distributed AI team, ensuring alignment of deliverables with business objectives and technical benchmarks.
- Maintained rigorous confidentiality and compliance while working with proprietary datasets.

AICTE (in collaboration with EY GDS)

Software Development Intern

March - April 2025

- Orchestrated the development of CoCreate, a real-time collaborative document editor empowered by Socket.IO, React.js, and Node.js, with granular access control and AI-augmented authoring.
- Refactored backend logic and event handling mechanisms to elevate performance and streamline multi-user synchronization.
- Integrated AI services to facilitate context-aware content enhancement, increasing end-user efficiency and engagement.
- Deployed and monitored the application stack using Netlify and Render, ensuring high availability and rapid load performance.

AICTE Techsaksham (Microsoft & SAP CSR Initiative)

Artificial Intelligence Intern

January - February 2025

- Conceptualized and implemented an AI-powered Medical Assistant leveraging Retrieval-Augmented Generation (RAG) to support domain-specific queries.
- Enabled multimodal capabilities by integrating Groq's LLM API, empowering the system to interpret both textual and visual inputs.

- Streamlined FAISS-based vector search pipelines, bolstering retrieval latency and response relevance across varied document types.
- Collaborated on the architectural design of intelligent health tech tools emphasizing precision and accessibility.

PROJECTS

IntelliAssist

Advanced AI assistant desktop application built using PyQt5, facilitating automation across 30+ productivity scenarios.

- Seamlessly integrated with Cohere, Groq, and Hugging Face APIs for robust NLP and multimodal capabilities.
- Features include command modularity, chat history archiving, and extensible plugin support.

RoadMap Generator

Personalized learning path generator leveraging React and Cohere API, tailored to user-defined skills and goals.

- Encompasses smart note-taking, PDF export, and adaptive interface elements to maximize learner retention and usability.

PeriodPal

Feature-rich menstrual health tracker engineered with React.js, offering intuitive calendar interfaces and behavioral insights.

- Prioritized user-centric design, and responsive layouts to enhance engagement.

Budget Manager

Streamlit-based financial planning tool powered by scikit-learn models for expense prediction and anomaly detection.

- Supports categorization, anomaly detection and real-time predictions to enhance financial planning.

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