Garima Bhayana

AI/ML Engineer | Software Developer

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PROFESSIONAL SUMMARY

Final-year AI/ML Engineer and Full-Stack Developer with 6+ months of industry experience across 3 progressive internships and 8.7 CGPA. Proven expertise in architecting production-grade AI systems using PyTorch, TensorFlow, and modern LLM frameworks including RAG and multimodal transformers. Demonstrated ability to engineer scalable full-stack applications with React.js, Node.js, and cloud deployment, delivering quantifiable business impact through real-time collaborative solutions and intelligent automation. Skilled in end-to-end ML workflows, API ecosystem integration, and cross-functional team leadership, with a track record of 98% on-time delivery in dynamic enterprise 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, 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 API Development, CRUD Operations, Client-Server Architecture, Authentication and Authorization, WebSocket Integration (Socket.IO), Microservices

Databases: SQL, PostgreSQL, MongoDB, Firebase

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 – International, US-based)

Artificial Intelligence Intern   May - August 2025

- Developed and fine-tuned 5+ machine learning models using PyTorch, TensorFlow, and scikit-learn, achieving performance improvements in predictive analytics and classification tasks across diverse enterprise applications.
- Engineered 3 end-to-end AI pipelines processing 10,000+ data points, reducing manual preprocessing time by 60% while maintaining 100% compliance with security protocols and organizational standards.
- Led development of 2 advanced generative AI applications utilizing state-of-the-art LLM fine-tuning techniques, resulting in 40% efficiency gains in automated content generation workflows.
- Collaborated with cross-functional AI team across time zones, delivering 5+ technical milestones with 98% on-time completion rate using agile methodologies.
- Implemented enterprise-grade security framework handling proprietary datasets, maintaining zero security incidents while achieving 100% data integrity compliance.

AICTE (in collaboration with EY GDS)

Software Development Intern   March - April 2025

- Architected CoCreate, a production-ready collaborative document editor using MERN stack with Socket.IO, supporting real-time multi-user editing for text, code, and tables with 99% uptime.
- Implemented advanced real-time features including live presence indicators, role-based access control (Editor/Viewer), AI assistance via Gemini API, and seamless file upload support for 5+ file formats.
- Designed scalable backend architecture with Node.js/Express and MongoDB, deployed on Render with Firebase authentication, enabling concurrent collaboration for 10+ users simultaneously.
- Developed responsive frontend using React and TailwindCSS with dark mode support, deployed on Netlify with automated CI/CD pipeline for seamless production updates.

AICTE Techsaksham (Microsoft & SAP CSR Initiative)
Artificial Intelligence Intern   January - February 2025
- Architected AI medical assistant serving 1,000+ medical queries with 95% accuracy using RAG architecture, reducing medical information retrieval time from to 10 seconds through optimized FAISS vector search.
- Integrated multimodal AI system processing 500+ medical images and text queries daily, achieving 90% diagnostic accuracy through Groq's LLM and Hugging Face transformers integration.
- Optimized NLP pipeline achieving 30% faster query processing through advanced medical tokenization, enabling real-time responses for complex medical terminology with 92% accuracy.

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

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 400+ 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.