

GARIMA BHAYANA

AI/ML ENGINEER | FULL STACK DEVELOPER

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ABOUT ME

Dedicated programmer specializing in Artificial Intelligence - Machine Learning and Full Stack Development. Proficient in Python, Java, React.js, Flask, and Node.js, with a strong foundation in Cloud Computing and Database Management. Passionate about leveraging technical expertise to solve complex problems and drive impactful projects.

SKILLS

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| <ul style="list-style-type: none">Programming Languages: Python, JavaAI/ML: Supervised & Unsupervised Learning, Neural Networks, Natural Language Processing (NLP), Computer Vision, Generative AI, Data AnalysisWeb Technologies: HTML, CSS, JavaScript, WordPressFrameworks & Libraries:<ul style="list-style-type: none">Frontend: React.js, jQuery, Bootstrap, Tailwind CSSBackend: Node.js, Express.js, Flask, EJSAI/ML: Scikit-Learn, TensorFlow, Keras, PyTorch, OpenCVDatabase Management: SQL, PostgreSQL, MongoDBCloud Computing: AWSVersion Control: GitData Structures & Algorithms (DSA): Proficient in Java | Soft Skills: <ul style="list-style-type: none">Creative problem-solvingEffective communicationTime managementLeadership and team collaboration |
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EXPERIENCE

Software Development Intern | AICTE (in collaboration with EY GDS) | March - April 2025

- Engineered CoCreate, a real-time collaborative document editor with Socket.IO-driven live editing and role-based access control.
- Integrated AI-powered assistance for content generation and text enhancement.
- Optimized database queries and WebSocket events, enhancing document loading speed by 30%.
- Deployed the frontend on Netlify and backend on Render, ensuring seamless real-time collaboration.

AI Intern | AICTE TechSaksham | January - February 2025

- Developed an AI-powered Medical Assistant during the AICTE TechSaksham Internship (Microsoft & SAP CSR Initiative).
- Implemented a Retrieval-Augmented Generation (RAG) system, improving document retrieval accuracy by 30%.
- Integrated a multimodal LLM with Groq API, enabling text and image-based queries, expanding chatbot capabilities by 50%.
- Optimized FAISS-based retrieval, enhancing response precision by 35% and cutting data retrieval time by 40%.

Coordinator | Training and Placement Cell, ADGIPS | October 2024 - Present

- Collaborated with HR professionals and peers to execute placement drives impacting 200+ candidates.
- Streamlined processes for applicant management and pre-placement activities.

PROJECTS

IntelliAssist

- AI-powered virtual assistant with real-time automation, handling 30+ commands for enhanced user productivity.
- Integrated Cohere, Groq, and Hugging Face APIs, improving NLP and multimodal processing by 35%.
- Modular and extensible system with PyQt5-based GUI, customizable UI, chat history logging, and seamless automation.

RoadMap Generator

- Built an AI-driven roadmap generator using React to provide personalised learning paths based on user input.
- Integrated Cohere API for NLP, enhancing recommendation accuracy by 30%.
- Added note-taking and PDF export features, increasing platform usability by 50%.

PeriodPal

- Developed a menstrual cycle tracker using React, enhancing user awareness of health and fertility.
- Implemented an interactive calendar-based tracking system, improving accessibility by 40%.
- Applied front-end and back-end skills for seamless performance and intuitive design.

Budget Manager

- Created a Streamlit-based budget management tool integrating machine learning models for anomaly detection and expense prediction.
- Achieved 90% accuracy in forecasting expenses using Scikit-learn.
- Provided actionable insights for saving opportunities, improving financial planning for users.

EDUCATION

Dr. Akhilesh Das Gupta Institute of Professional Studies (Affiliated to Guru Gobind Singh Indraprastha University)

Bachelor of Technology, IT GPA - 8.7

Salwan Public School

Class XII - 93.8 %

Class X - 94.6 %

CERTIFICATIONS

IBM Watson and AI-ML - IBM

Web Development BootCamp - Udemy

Java Programming - Geeks for Geeks and Udemy

Data Structures and Algorithms - Geeks For Geeks

Postman API Fundamentals - Postman Academy

Cloud Computing with AWS - Internshala and NSDC