

# GARIMA BHAYANA

## AI/ML ENGINEER | FULL STACK DEVELOPER

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### SUMMARY

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 my technical skills to drive impactful projects and contribute to innovative solutions in the technology landscape.

### SKILLS

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|---|--|
| <ul style="list-style-type: none"><li><b>Programming Languages:</b> Python, Java</li><li><b>AI/ML:</b> Supervised &amp; Unsupervised Learning, Neural Networks, Natural Language Processing (NLP), Computer Vision, Generative AI, Data Analysis</li><li><b>Web Technologies:</b> HTML, CSS, JavaScript, WordPress</li><li><b>Frameworks &amp; Libraries:</b><ul style="list-style-type: none"><li><b>Frontend:</b> React.js, jQuery, Bootstrap, Tailwind CSS</li><li><b>Backend:</b> Node.js, Express.js, Flask, EJS</li><li><b>AI/ML:</b> Scikit-Learn, TensorFlow, Keras, PyTorch, OpenCV</li></ul></li><li><b>Database Management:</b> SQL, PostgreSQL, MongoDB</li><li><b>Cloud Computing:</b> AWS</li><li><b>Version Control:</b> Git</li><li><b>Data Structures &amp; Algorithms (DSA):</b> Proficient in Java</li></ul> | <b>Soft Skills:</b> <ul style="list-style-type: none"><li>Creative problem-solving</li><li>Effective communication</li><li>Time management</li><li>Leadership and team collaboration</li></ul> |
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### EXPERIENCE

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|---|--------------------------------|
| <b>Software Development Intern   AICTE (in collaboration with EY GDS)</b>   | <b>March - April 2025</b>      |
| <ul style="list-style-type: none"><li>Engineered CoCreate, a real-time collaborative document editor with Socket.IO-driven live editing and role-based access control.</li><li>Incorporated AI-powered assistance for content generation and text enhancement.</li><li>Optimized database queries and WebSocket events, enhancing document loading speed by 30%.</li><li>Deployed the frontend on Netlify and backend on Render, ensuring seamless real-time collaboration.</li></ul>   |                                |
| <b>AI Intern   AICTE Techsaksham</b>  | <b>January - February 2025</b> |
| <ul style="list-style-type: none"><li>Developed an AI-powered Medical Assistant during the AICTE TechSaksham Internship (Microsoft &amp; SAP CSR Initiative).</li><li>Implemented a Retrieval-Augmented Generation (RAG) system, improving document retrieval accuracy by 30%.</li><li>Blended a multimodal LLM with Groq API, enabling text and image-based queries, expanding chatbot capabilities by 50%.</li><li>Optimized FAISS-based retrieval, enhancing response precision by 35% and cutting data retrieval time by 40%.</li></ul> |                                |
| <b>Coordinator   Training and Placement Cell, ADGIPS   October 2024 - Present</b>   | <b>October 2024 - Present</b>  |
| <ul style="list-style-type: none"><li>Collaborated with HR professionals and peers to execute placement drives impacting 200+ candidates.</li><li>Streamlined processes for applicant management and pre-placement activities.</li></ul>  |                                |

### PROJECTS

#### IntelliAssist

- AI-powered virtual assistant with real-time automation, handling 30+ commands for enhanced user productivity.
- Merged 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 a comprehensive AI-driven roadmap generator leveraging React and Cohere API.
- Enabled users to generate personalized learning paths based on skill inputs.
- 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