

# 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"><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

#### AI Intern | AICTE | January - February 2025

- Crafted an AI-powered Medical Assistant during the AICTE Internship under Microsoft & SAP.
- Implemented a Retrieval-Augmented Generation (RAG) system to process medical documents and provide accurate insights.
- Integrated multimodal LLM (Llama-3.2-90b-vision-preview) with Groq API for text and image-based query processing.
- Optimised knowledge retrieval with FAISS and Mistral LLM to enhance response accuracy.

#### 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.

#### Contributor | GirlScript Summer of Code 2024- Extended | October - November 2024

- Enhanced AI capabilities of existing applications, increasing user engagement.
- Designed visually compelling brand identities, boosting project visibility across GitHub and community forums.

### PROJECTS

#### IntelliAssist

- AI-powered virtual assistant enabling real-time task automation, voice interaction, and information retrieval.
- Integration of AI models and APIs (Cohere, Groq, Hugging Face) for NLP, multimodal processing, and AI-driven image generation.
- 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 and Cohere API to provide personalized learning paths based on user input.
- Included note-taking and PDF export features, improving usability for learners.
- Utilized full-stack expertise and AI integration for seamless learning path generation.

#### PeriodPal

- Developed a menstrual cycle tracker using React, enhancing user awareness of health and fertility.
- Implemented a calendar-based tracking system for improved usability and accessibility.
- 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 )	
<b>Bachelor of Technology, IT</b>	GPA - 8.7
Salwan Public School	
Class XII - 93.8 %	Class X - 94.6 %

### CERTIFICATIONS

<b>IBM Watson and AI-ML</b> - IBM	<b>Web Development BootCamp</b> - Udemy	<b>Java Programming</b> - Geeks for Geeks and Udemy
<b>Data Structures and Algorithms</b> - Geeks For Geeks	<b>Postman API Fundamentals</b> - Postman Academy	<b>Cloud Computing with AWS</b> - Internshala and NSDC