

Chintha Krishna Balaji

B.Tech (2022–26)
Computer Science Engineering
Bengaluru, Karnataka, India

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PROFESSIONAL SUMMARY

B.Tech CSE student with a strong passion for applying AI and machine learning to solve real-world problems. Experienced in developing NLP and predictive modeling applications using Python and TensorFlow through internships and personal projects. Eager to leverage a solid foundation in algorithms and software development to contribute to advanced AI systems, with a keen interest in LLMs and generative AI, supported by recent IBM certifications.

EDUCATION

- B.Tech in Computer Science Engineering**2022 – 2026
- GITAM Deemed to be University, Bengaluru*
- CGPA: 8.81/10.0
 - **Relevant Coursework:** Data Structures Algorithms, OS, DBMS, Software Design Patterns, Computer Networks

EXPERIENCE

- Intern – Smart Agriculture Lab**May 2025 – Jun 2025
- GITAM University, Bengaluru*GitHub Repo
- Developed and integrated an AI-based OCR system into a distributed processing pipeline for weekly agile releases.
 - Optimized NLP algorithms to boost text extraction accuracy by 15
 - Leveraged Python, TensorFlow, and CI/CD best practices to deliver robust, production-ready features.

- Intern – Smart Agriculture Lab**Jan 2025 – Mar 2025
- GITAM University, Bengaluru*Live Demo
- Developed a predictive AI backend in Python to forecast plant growth using historical and real-time sensor data.
 - Designed and deployed interactive, real-time dashboards using Streamlit for continuous monitoring by stakeholders.
 - Improved model accuracy to 85

PROJECTS

- YouTube Comment Sentiment Analysis**Sep 2024 – Oct 2024
- Machine Learning Project*Live Demo
- Developed an end-to-end sentiment analysis pipeline in Python to classify over 3,000 comments, providing insights into public opinion with 80
 - Enhanced model performance by implementing a robust text preprocessing workflow (tokenization, stop-word removal) and comparing NLP models like Logistic Regression and VADER.
- Quiz Application – Frontend Project**Aug 2024 – Oct 2024
- Web Development*Live Demo
- Developed a fully responsive and interactive quiz application using React, implementing component-based architecture and state management for a seamless user experience.
 - Integrated real-time, client-side validation with JavaScript to improve usability and ensured high performance and accessibility with modern HTML/CSS.

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL, JavaScript
- **AI / ML:** Python (TensorFlow, Scikit-learn), NLP, Predictive Modeling, Data Preprocessing
- **Knowledge In:** Generative AI, LLMs, RAG Concepts, Prompt Engineering (from certifications)
- **Backend:** REST APIs, Distributed Systems, Spring (basics), PostgreSQL (basic), MySQL
- **Developer Tools:** Git, CI/CD, Linux CLI, Unit Testing

SOFT SKILLS

- **Core Strengths:** Problem Solving, Teamwork, Adaptability, Communication, Time Management, Intellectual Curiosity

CERTIFICATIONS

- Verizon Cloud Platform Job Simulation (View)**,ForageJun 2025
- IBM Generative AI Engineering (View)**,IBM via CourseraMay 2025
- Google Cloud Computing Foundations (View Badge)**,GoogleApr 2025
- IBM AI Developer (View)**,IBM via CourseraFeb 2025