

Chintha Krishna Balaji

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

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Chintha_Krishna_Balaji_Portfolio

PROFESSIONAL SUMMARY

B.Tech CSE student with skills in Java, Python, and CS fundamentals. Experienced in developing scalable distributed applications, high-volume systems, and user-centric software through internships and projects. Skilled in algorithms, OOP, software design, CI/CD, and agile teamwork.

EDUCATION

2022 – 2026 **GITAM Deemed to be University, Bengaluru**, B.Tech. CSE

CGPA: 8.81

Relevant Coursework: Data Structures, Algorithms, Software Design, Operating Systems, DBMS, Computer Networks

EXPERIENCE

- Intern – Smart Agriculture Lab**

May 2025 – Jun 2025

GITAM University, Bengaluru
Live Demo

 - Integrated AI-based OCR systems into a distributed processing pipeline for weekly agile releases.
 - Improved text extraction accuracy by 15 percent and reduced manual effort by 40 percent through algorithm optimization.
 - Used Python, TensorFlow, Git, and continuous integration to deliver reliable features.
- Intern – Smart Agriculture Lab**

Jan 2025 – Mar 2025

GITAM University, Bengaluru
Live Demo

 - Built backend plant-growth prediction system in Python.
 - Deployed real-time dashboards using Streamlit as frontend which gives for 24x7 access.
 - Raised AI accuracy to 85 percent using optimized algorithms.

PROJECTS

- FarmAI Knowledge Assistant**

Aug 2025 – Sep 2025

Generative AI + Retrieval-Augmented Generation(RAG) Project
Live Demo

 - Built an AI-powered agricultural assistant using Streamlit, LangChain, FAISS, and Google Gemini for RAG.
 - Designed a conversational chat UI with a knowledge base on crop management and disease control, enabling accurate and context-aware Q&A.
- YouTube Comment Sentiment Analysis**

Sep 2024 – Oct 2024

Machine Learning Project
Live Demo

 - Built a scalable sentiment classification service for 3,000+ comments using Logistic Regression and VADER.
 - Achieved 80 percent accuracy with algorithmic optimizations for NLP processing.

TECHNICAL SKILLS

- Languages:** Java, Python, C/C++/C (beginner)
- Backend:** Java (Spring basics), REST APIs, Distributed Systems
- Frontend:** React, HTML/CSS, JavaScript
- Database:** MySQL, PostgreSQL (basic)
- CS Fundamentals:** Data Structures and Algorithms, OOP, OS, DBMS, Software Design Patterns
- Tools:** Git, CI/CD, TensorFlow, Linux CLI, Unit Testing

SOFT SKILLS

- Interpersonal:** Teamwork, Problem Solving, Communication, Adaptability, Time Management

CERTIFICATIONS

- Verizon Cloud Platform Job Simulation (View)**,Forage

Jun 2025
- IBM Generative AI Engineering (View)**,IBM via Coursera

May 2025
- Google Cloud Computing Foundations (View Badge)**,Google

Apr 2025
- IBM AI Developer (View)**,IBM via Coursera

Feb 2025