

CH HARIKA

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*Proactive and results-driven **Computer Science Engineering student** skilled in **Java Full Stack Development, AI/ML, and software engineering**. Passionate about building scalable, user-centric web solutions and intelligent systems that bridge AI and modern web technologies.*

EDUCATION

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|---|--------------------|
| GITAM University, Hyderabad | 2021 - 2025 |
| <i>B.Tech in Computer Science and Engineering</i> | |
| Sri Chaitanya Jr College, Hyderabad | 2019 - 2021 |
| <i>Intermediate (MPC)</i> | |
| Little Scholar School, Hyderabad | 2007 - 2019 |
| <i>Secondary Education</i> | |

TECHNICAL SKILLS

- **Programming Languages:** Java, SQL, Python, HTML, CSS, JavaScript, React.js
- **Web & Full-Stack Development:** Java Full-Stack (Spring Boot, MySQL, React.js)
- **Data Structures & Algorithms:** Arrays, Linked Lists, Stack, Queue, Binary Trees; Linear Search, Binary Search, Bubble Sort, Quick Sort, Prim's, Kruskal's
- **Database:** MySQL, MongoDB
- **Core IT: Operating Systems, Computer Organization & Architecture, Computer Networks**
- **AI/ML:** CNN, RFA, SVM, Predictive Analytics, Time Series Analysis

PROJECTS

Portfolio Website

Developed a professional, responsive personal portfolio using **React**, showcasing technical skills, projects, internships, and certifications.

Implemented interactive features including a contact form, dynamic theme toggling, and responsive design for seamless UX across devices.

Demonstrates **full-stack development expertise** and web application best practices.

SkillWise (Ongoing Project)

Developing an AI-driven career recommendation system using **Java (Spring Boot)** for backend, **React** for frontend, and **MySQL**, with a Python AI microservice to analyze user skills and recommend optimal tech career paths. Focused on building a **full-stack, scalable, and real-world solution** that integrates AI with web technologies. Project currently in progress; demonstrates **full-stack Java expertise, AI integration, and practical problem-solving**.

Breast Cancer Prediction Using Histopathological Images

Designed and compared **CNN, RFA, and SVM models** using VGG16 for feature extraction, achieving high-accuracy diagnosis from histopathological images.

Built a robust ML pipeline for automated medical image analysis.
Demonstrates **AI/ML model implementation, data preprocessing, and predictive analytics skills.**

Energy Consumption Forecasting Model

Developed a predictive analytics system using **time series ML techniques** to forecast energy usage, optimize resource allocation, and support sustainable grid management.
Integrated backend logic with database storage for real-time predictions.
Highlights skills in **machine learning, predictive analytics, and practical software deployment.**

Plant Disease Classification Using CNN

Built a **CNN-based model** to classify plant leaf diseases using the PlantVillage dataset, achieving high accuracy with data augmentation and robust evaluation metrics.
Automated agricultural disease detection for timely interventions.
Demonstrates **deep learning, computer vision, and applied ML expertise.**

PROFESSIONAL EXPERIENCE

Infosys Springboard | AI Intern

Mar 2024 – Jun 2024

Developed an “Energy Consumption Forecasting System” as part of an Internship 4.0 project.
Enhanced practical skills in software development lifecycle and backend logic implementation.

Google | AICTE | AI ML Internship

Jul 2024 – Sep 2024

Gained exposure to cloud-based application development, including database integration and API usage with tools like TensorFlow.

Microsoft | AICTE | AI Azure Internship

Jun 2025 – Jul 2025

Learned cloud deployment and AI/ML integration with backend technologies.

WORKSHOPS

- Google Developer | GITAM University
- Basics of AI/ML | Cognizance

Apr 2024 – Jun 2024

Jul 2024 – Sep 2024

CERTIFICATES

- Data Structures | UC San Diego
- Core Java Specialization | LearnQuest
- Java Class Library | LearnQuest
- MySQL | Udemy
- Technical Support Fundamentals | Google/Coursera
- How to Create a Jira SCRUM Project | Coursera

Mar 2023

Mar 2023

Mar 2023

Jul 2024

Jul 2024

Oct 2024

LANGUAGES

● English

● Hindi

● Telugu