

# HUMERA TABASSUM

B.E AI & ML — Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad

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## SUMMARY

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Final-year B.E student in Artificial Intelligence & Machine Learning with strong foundations in Python, machine learning, and data analysis. Experienced in building predictive models and deploying deep learning solutions to solve real-world challenges. Passionate about leveraging technology for meaningful impact. Seeking opportunities to apply and expand my skills.

## TECHNICAL SKILLS

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<b>Programming</b>	Python, SQL, R, MATLAB, HTML, CSS, JavaScript
<b>Libraries/Frameworks</b>	TensorFlow, PyTorch, Keras, Scikit-Learn, Pandas, NumPy, OpenCV, NLTK, SpaCy
<b>Visualization</b>	Power BI, Tableau, Excel, Matplotlib, Seaborn, Plotly
<b>Other</b>	Data Structures & Algorithms (DSA), Git, Statistics & Probability, Machine Learning Algorithms

## PROJECTS

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**Alzheimer's Disease Classification using CNNs** — Built a CNN to classify Alzheimer's severity into four classes. Applied data augmentation and hyperparameter tuning, achieving **97% accuracy** on validation data.

**AI Chatbot using Gemini API** — Developed an interactive chatbot web app using **Flask, JavaScript, and Google Gemini API**. Implemented real-time responses, emoji avatars, and typing indicators to improve user engagement.

**Coconut Leaf Disease Detection** — Designed a CNN for detecting coconut leaf diseases and pests. Leveraged preprocessing and augmentation to enhance model robustness, achieving **94% accuracy**.

## EDUCATION

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<b>Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad</b>	2022 – 2026
B.E in Artificial Intelligence & Machine Learning — CGPA: 9.24	

## EXPERIENCE

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<b>Participant, Cohort 15 — LedBy Foundation</b>	June 2024 – November 2024
Participated in professional development workshops to enhance leadership, communication, and teamwork skills, while strengthening problem-solving and strategic thinking abilities.	

<b>Intern — Rural Entrepreneurship, AICTE Idea Lab CBIT</b>	June 2024 – August 2024
Developed predictive analytics solutions for crop optimization using AI and data analysis, helping rural farmers improve crop yield and resource management.	

## CERTIFICATIONS

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**Data Science (NPTEL) | Python (HackerRank) | Web Development (Internshala)**  
**AI & ML (Infosys Springboard)**

## LEADERSHIP & ACTIVITIES

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**PR Head** — Avinya Club, CBIT  
**Documentation Co-Lead** — Neural Nexus Club, CBIT  
**Design Team Member** — CBIT Podcast Club  
**Volunteer** — Chaitanya Suraksha (Women Safety Club)