

BHAGEERATHA REDDY KUPPIREDDY

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PROFESSIONAL SUMMARY

Computer Science undergraduate with strong foundations in **Artificial Intelligence, Machine Learning, NLP, and software development**. Experienced in building data-driven applications and ML models using Python. Seeking entry-level roles as an **AI Engineer, ML Engineer, Data Scientist, or Software Engineer**.

EDUCATION

VIT-AP University, Amaravati	2022–2026
B.Tech in Computer Science CGPA: 8.87	
Sri Chaitanya Junior College, Vijayawada	2020–2022
Intermediate (MPC) Percentage: 96.7%	
Sri Chaitanya School, Proddatur	2020
Secondary Education (10th) Percentage: 99.6%	

TECHNICAL SKILLS

Programming: Python, Java
Machine Learning & AI: Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow
NLP: TF-IDF, cosine similarity, tokenization, lemmatization
Web Development: Flask, HTML, CSS, JavaScript
Databases: MySQL, MongoDB
Tools: Git, GitHub, Jupyter Notebook, VS Code, Linux CLI

PROJECTS

Text-to-Image Generation System (Capstone)

Python, PyTorch, Multimodal AI

- Built a deep learning pipeline that generates images from text prompts using pretrained models.
- Implemented text encoding, image synthesis, and output evaluation techniques.
- Experimented with different prompts to improve visual relevance and consistency.

Medical Chatbot (NLP)

Python, Pandas, Scikit-learn

- Developed a chatbot using TF-IDF and cosine similarity for semantic matching.
- Built preprocessing pipeline with tokenization, normalization, and lemmatization.
- Improved response accuracy through similarity ranking.

AI-Driven Hospital Management Dashboard

Python, Streamlit, Machine Learning, NLP

- Developed an interactive Streamlit dashboard to manage and visualize patient data in real time.
- Integrated basic machine learning models to analyze patient trends and assist in risk-level insights.

Sentiment Analysis Web Application

Python, Flask, NLP

- Built a sentiment classification system for real-time text input.
- Implemented NLP preprocessing and polarity detection logic.

CERTIFICATIONS

IBM SkillsBuild – Artificial Intelligence Fundamentals; Data Fundamentals; Introduction to Data