

# BHAGEERATHA REDDY KUPPIREDDY

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## PROFESSIONAL SUMMARY

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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

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

## TECHNICAL SKILLS

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**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

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### 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

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