

# Bhuvansai Chilamkurthi

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## Objective

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Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning (AI & ML), with a strong foundation in Python programming, Data analysis, and Full-stack web development. I enjoy building innovative applications that solve real-world problems. Adept at working in collaborative environments and continuously exploring cutting-edge technologies to drive innovation. Seeking an opportunity to contribute to cutting-edge projects where I can apply my skills in Python, AI & ML, and NLP to create impactful, intelligent solutions.

## Education

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### B.Tech, Computer Science and Engineering

2022 - 2026

Malla Reddy University, Hyderabad

CGPA: 8.99 (Current)

## Technical Skills

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- **Programming:** Python, Java
- **Web Development:** React.js, Node.js
- **Databases:** MongoDB, MySQL
- **Data Science:** Pandas, NumPy, scikit-learn
- **Tools:** Git, Github, VS Code, Google Colab, Tableau

## Professional Skills

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- Team Collaboration
- Problem Solving
- Adaptability

## Key Projects

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- **Automatic Grammar Checker** [GitHub]  
Created an NLP-based grammar correction system using Gramformer and FLAN-T5 Transformer, achieving high accuracy.  
Developed a web-based document correction tool with real-time error highlighting using a FastAPI backend
- **Linguista: Your Ultimate NLP Bot** [GitHub]  
Designed a website for students to learn NLP using NLTK and spaCy interactively.  
Integrated real-time NLP operations, visualizations using Chart.js, and an intuitive, interactive interface for learning NLP concepts.
- **Traffic Sign Board Detection** [GitHub]  
Developed a Python application using OpenCV and a CNN classifier trained on the GTSRB dataset (43 classes).  
Achieved 95% accuracy through data augmentation and hyperparameter tuning; built a desktop GUI using Tkinter to upload images and display the result.

## Certifications

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- Google Cloud Computing – Google Developer Student Club (Oct 2024)
- Python for Everybody – Coursera (May 2024)
- Programming in Java – NPTEL (Sep 2024)
- Deloitte Australia Data Analytics Job Simulation – Forage (May 2025)

## Other Interests

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- Passionate about following daily innovations in the AI and ML space.
- Enjoy traveling and capturing nature through photography.

## Achievements

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- Secured **Second Prize** in the National Hackathon conducted by Malla Reddy University on Generative AI - Built a pair programming chatbot.
- National Semi-Finalist in Tata Imagination Challenge 2024 by Tata Group (Top 3 rounds).