

Bontu Dhanasai

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Career Objective:

Motivated and enthusiastic undergraduate student in Artificial Intelligence and Machine Learning, eager to apply classroom knowledge in real-world settings. Seeking opportunities to contribute to cutting-edge AI/ML projects, collaborate with industry professionals, and expand my technical expertise.

Educational Qualifications:

S. No	Qualification	Institute	Board/University	Year	GPA/Percentage
1	B.Tech (CSE)	BVRIT Narsapur	JNTUH	2022-2026	9.11 (Till 5th Sem, currently pursuing 6th Sem)
2	12th	Narayana Junior College	Telangana state board of intermediate education	2020-2022	97.4%
3	10th (CBSE)	Sai Spurthi D.A.V Public school	Central Board of Secondary Education	2020	87.4%

Technical Skills:

Programming Languages: C/C++, Python, Java

Libraries: Numpy, Pandas, Matplotlib, TensorFlow

Web Technologies: HTML, CSS, JavaScript, Bootstrap, React.js, Node.js

Others: SQL, Data Structures and Algorithm (DSA), OOPs, Machine Learning, Deep Learning, Natural Language Processing (NLP)

Tools: SQL server, VS Code, Jupyter Notebook, Github, Google Colab, Ubuntu

Certifications:

Google Cloud Skills Boost: Beginner-Introduction to Generative AI Learning Path, Intermediate: Gemini for Google Cloud Learning Path, Advanced: Generative AI for Developers Learning Path

NPTEL: Privacy and Security in Online Social Media, Soft Skills

ORACLE: Database Programming with SQL

Academic Projects:

1. Smart City Lens (August 2024)

- Developed an AI-driven platform to create digital city twins by integrating real-time data from government sources, sensors, and citizen feedback.
- Implemented AI algorithms to provide actionable insights for urban planning, enabling data-driven decision-making.
- **Tools Used:** Python, TensorFlow, OpenStreetMap, PostgreSQL, Node.js, React

2. Neural Image Captioning using Visual Attention (April 2024)

- Built a Neural Image Captioning model combining CNNs for feature extraction and LSTMs with Attention Mechanisms for accurate caption generation.
- Achieved high performance on Flickr8k, Flickr30k, and MS COCO datasets by utilizing Hard and Soft attention methods.
- **Tools Used:** Python, TensorFlow/Keras, OpenCV, NLTK, PyTorch

3. Fake News Detection

- Developed an NLP-based Fake News Detection system using transformer models like BERT and traditional classifiers for accurate classification.
- Curated and pre-processed a diverse dataset to enhance model robustness against misinformation.
- **Tools Used:** Python, TensorFlow, Scikit-learn, NLTK, BERT, Pandas

Achievements:

- Published a literature review paper titled "*Stack-Based Ensembles for Robust Neural Image Captioning*" in the 3rd Edition of the DELCON 2024 IEEE International Conference on Advancing Technology for Sustainable Development. The paper is available in IEEE Xplore. [Link](#)
- Achieved top 5 place in India at the Gen AI Exchange Hackathon by Google, addressing urban planning challenges through the 'City AI Engine' problem statement by People+ai, which involved developing AI-driven solutions to enhance city data integration and decision-making. [Link](#)
- Secured Second Prize at R&D Showcase 2024, conducted by B V Raju Institute of Technology on behalf of IIIT Hyderabad, for our project "Neural Image Captioning Using Visual Attention." [Link](#)
- Achieved 56th rank globally in TCS CodeVita Season 12, showcasing strong problem-solving and competitive programming skills. [Link](#)

Strengths:

- a) Attention to Detail
- b) Good listening skills and focused
- c) Quick learner
- d) Adaptability

Personal Details:

Date of Birth: 22-01-2005

Languages Known: English, Telugu, Hindi

Gender: Female

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