DUPPATI BHAVANA ✆+919849467025

**DATA SCIENCE** Nellore

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https://github.com/Bhavana477/edukron.git

# OBJECTIVE

Motivated B.Tech graduate (2025) with strong foundation in Electronics and Communication Engineering. Eager to begin a career in software development where I can apply my technical skills, learn from experienced professionals, and contribute to innovative projects. Committed to continuous learning and professional growth in a dynamic work environment.

EDUCATION

Bachelor of Technology (B.tech) in Electronics and Communication Engineering (ECE) Sri Padmavati Mahila Visva Vidyalayam, Tirupati, Andhra Pradesh (2021-2025)

## SKILLS

## Programming Languages: Python, Java, C++, JavaScript Web Technologies: HTML5, CSS3, Bootstrap, Angular Databases: MySQL, SQLite, MongoDB Tools & Technologies: Git, GitHub, Eclipse, IntelliJ IDEA Soft Skills: Analytical Thinking, Teamwork, Adaptability, Learning Agility

# ROLES AND RESPONSIBILITIES

* Assisted in software development lifecycle from requirements gathering to deployment
* Participated in team meetings and contributed ideas for project improvements
* Conducted research on emerging technologies and best practices
* Helped maintain code documentation and technical specifications
* Supported testing activities including unit testing and integration testing
* Collaborated with team members to resolve technical issues and bugs

**PROJECTS**

**1. Intelligent Chatbot for Customer Service (Gen AI Project)**

**Title:** AI Customer Support Assistant

**Description:**  
Developed an intelligent chatbot system using natural language processing to provide automated customer support for e-commerce platforms. The chatbot can handle common customer queries, process orders, and escalate complex issues to human agents. Integrated sentiment analysis to understand customer emotions and provide appropriate responses, resulting in 70% reduction in customer wait times.

**Skills Used:** Python, Natural Language Processing, TensorFlow, Flask, Dialogflow, JSON

**Roles and Responsibilities:**

* Designed conversational flow and user interaction patterns
* Implemented natural language understanding using NLP libraries
* Created RESTful API endpoints for chatbot integration
* Developed web-based admin panel for conversation monitoring
* Integrated with existing customer database systems
* Conducted user testing and feedback collection for improvements

**2. Image Classification for Medical Diagnosis (ML Project)**

**Title:** Medical Image Analysis System

**Description:**

Built a machine learning system to classify medical images for preliminary disease detection. The project focuses on Analysing X-ray and MRI images to identify common medical conditions. Implemented convolutional neural networks to achieve 92% accuracy in image classification, providing healthcare professionals with quick preliminary assessments and reducing diagnosis time.

* **Skills Used:** Python, TensorFlow, Keras, OpenCV, NumPy, Pandas, Matplotlib

**Roles and Responsibilities:**

* Collected and pre processed medical image datasets from public repositories
* Implemented data augmentation techniques to improve model robustness
* Designed and trained CNN architectures for image classification
* Created data preprocessing pipelines for medical image standardization
* Developed evaluation metrics and performance analysis tools
* Built a web interface for medical professionals to upload and analyse images

DECLARATION

I Here by declare that the information is true and correct to the best of my knowledge and belief.

Date:

Place: DUPPATI BHAVANA