

# Adapa Gopi Reddy

AI & Machine Learning Enthusiast — College Graduate  
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## Career Objective

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Motivated and detail-oriented graduate specializing in Artificial Intelligence and Machine Learning. Seeking an entry-level AI/ML role to apply strong programming skills and foundational knowledge in machine learning models and data analysis. Dedicated to contributing to innovative projects and expanding expertise in AI-driven technologies.

## Education

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### Bachelor of Technology in Computer Science and Engineering

Specialization: Artificial Intelligence and Machine Learning  
Malineni Perumallu Educational Society's Group of Institutions, Guntur  
June 2020 – June 2024

## Technical Skills

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- **Programming Languages:** Python, Java
- **Machine Learning:** Supervised & Unsupervised Learning, Model Evaluation
- **Deep Learning:** CNNs, Neural Networks, Image Processing
- **AI/ML Libraries:** TensorFlow, Keras, Scikit-Learn
- **Data Visualization:** Matplotlib, Seaborn
- **Databases:** SQL
- **Tools:** Jupyter Notebook, Git
- **Operating Systems:** Windows

## Projects

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### Employee Burnout Analysis and Prediction

April 2024 – June 2024

- Built a predictive model to assess employee burnout risk based on multiple variables using machine learning techniques.
- Employed data preprocessing, feature engineering, and model selection strategies to improve prediction accuracy.
- Enabled real-time burnout analysis, offering insights for workplace well-being and reducing burnout risk by 15%.

### Traffic Sign Board Recognition and Voice Alert System Using CNN

January 2024 – June 2024

- Developed a CNN-based system for real-time traffic sign recognition with voice alerts, achieving high accuracy in sign detection.
- Enhanced the dataset with image preprocessing techniques, improving model accuracy by 15%.
- Deployed the optimized model on edge devices, achieving a 30% reduction in model size and enabling real-time performance.

## Certifications

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- **AWS Cloud Practitioner Essentials**
- **Artificial Intelligence Certification - Great Learning**
- **AI-powered Google Certification - Smart Internz**