

# GUDURI SONIKA

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## Objective

Enthusiastic AI/ML fresher with hands-on skills in Python, Machine Learning, Deep Learning, NLP, Computer Vision, and Generative AI. Seeking an opportunity to apply technical knowledge, contribute to AI/ML projects, and grow as an AI professional.

## Education

<b>Swarnandhra College of Engineering and Technology</b>	<b>Narsapur</b>
Bachelor of Engineering- Electronics and Communication Engineering	2020-2024
7.59	

## Internships

Programming Essentials in Python by Cisco Networking Academy	May 2021-july 2021
Data Analytics Virtual Internship by AWS Academy	Dec 2022-Feb 2023

## Projects

### Smart Parking System

- Technologies Used: NodeMCU, IR Sensors, Servo Motor, I2C Display.
- Built an IoT-based system to detect and display real-time parking slot availability with automated gate control for improved parking efficiency.

### Global AI Job Market & Salary Trends 2025 – EDA Project

- Tools Used: Python, Pandas, Seaborn, Matplotlib, Jupyter Notebook.
- Explored 15K+ AI job postings to analyze global salary trends, job roles, experience levels, and top skills after outlier removal.

### Fraud Detection System using Machine Learning

- Technologies Used: Python, Pandas, Scikit-learn, NumPy, Matplotlib, Seaborn.
- Developed a machine learning model to detect fraudulent transactions using classification algorithms and data analysis techniques.

## Technical Skills

**Programming & Databases:** Python, SQL

**Data Analysis & Visualization:** Statistics, NumPy, Pandas, EDA, Matplotlib, Seaborn, Power BI

**Machine Learning:** Classification, Regression, Clustering, Recommendation Systems, Association Rules, Model Evaluation

**Deep Learning:** ANN, CNN, RNN, Time Series

**NLP :** Text Preprocessing, TF-IDF, Word Embeddings

**Computer Vision:** OpenCV, Image Processing, Object Detection, Image Classification

**Generative AI:** LLMs, RAG, Prompt Engineering, GenAI Concepts, LLM Fine-tuning

**Tools & Platforms:** Jupyter Notebook, Google Colab

## Certifications

### Data Analytics Essentials

CISCO Networking Academy — Issued: December 16, 2024

### Python 101 for Data Science

Issued by CognitiveClass.ai | Powered by IBM Developer Skills Network

## Skills

Problem-Solving Ability

Logical and Analytical Thinking

Team Collaboration and Presentation Skills

Adaptability