

# GUNA SATYA SRI KOPPULA

## Artificial Intelligence Engineer



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🐙 Github    🔗 Portfolio    🔗 LinkedIn    🔗 LeetCode    🏠 HackerRank

### Profile

Passionate AI Engineer with 3+ years of expertise in developing intelligent systems and leveraging data-driven insights. Experienced in developing and deploying Gen AI and ML solutions, with a strong focus on NLP and prompt engineering. Solid understanding of Deep Learning, Computer Vision, and Python frameworks. Skilled in managing embeddings in vector databases and deploying AI solutions on Azure for impactful results. Capable of processing new data quickly and effectively communicating it.

### Professional Experience

09/2022 – present  
Intelligent Automation  
(Communication Media  
& Telecom)

#### Accenture Technology, Data Engineering Analyst

- **ACE:** Developed a Gen AI solution that helps in creating interactive websites. It also provides options to regenerate or refine content for all the sections. Worked on generating images based on the content.
- **IAR:** Developed a Gen AI solution that queries bulk of unstructured data using Azure AI Search, generates responses for user questions, and stores the history of all responses. Created Power BI dashboards for user feedback.
- **Naming Assistant:** Developed a Gen AI solution that assists the user in naming by suggesting solution and asset names based on a few rules. Generated summaries of the PPTs and Docs using Open AI models for the naming process.
- **KB Article Generation:** Developed a Generative AI solution that aims to find the solution by going through multiple incidents and collating the required points for solving that issue.
- **Auto Problem Manager:** Developed an AI asset to automate problem management. It aims to ensure continuous tracking of repeating issues so that they can be resolved or investigated on a timely basis by suggesting the appropriate action to be taken.

09/2021 – 09/2022  
Mojave Automation  
(Communication Media  
& Telecom)

#### Accenture Technology, Data Engineering Associate

- **E-Learning Rasa Bot:** Developed NLP (Natural Language Processing) chatbot interface for an e-learning platform enabling both trainers and learners to instantiate sessions, scheduling, and enrolling.
- **ASOP:** Automated issue identification, classification, and resolution using machine learning, text classification & clustering algorithms in the telecommunication domain data.
- **DevOps Dashboard:** Worked on the backend development of FastAPI services with Mongo database to create a dashboard that shows all of the contract and portfolio details.

## Certificates

Microsoft Certified: Azure AI Fundamentals

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Extensive & Reimagined AI (ERA-V1)

Machine Learning in Python with scikit-learn

Accenture Automation Full-Stack Engineer

Programming Essentials in Python from Cisco Networking

## Skills

### Data Analysis & Visualisation

*Data Extraction*  
*Cleaning, Preprocessing, and Feature extraction*  
*Data Visualisation and Dashboards*  
*Frameworks/Tools: Numpy, Pandas, Matplotlib, Seaborn, Plotly, Power BI*

### Natural Language Processing

Text Preprocessing and Feature Engineering  
Text Classification, Text Summarization  
Text Generation, Regular expressions  
Frameworks: nltk, spacy, transformers

### Neural Networks & Deep Learning

PyTorch, CNNs  
Backpropagation  
Batch Normalization & Regularization  
CAMs, LRs, and Optimizers  
Generative Art and Stable Diffusion

### Machine Learning

Linear Models - Regression & Classification models, SVM, Tree-based models  
Clustering, Dimensionality Reduction  
Hyper Parameter Tuning, scikit-learn  
Model evaluation and deployment

### Generative AI

LLMs, Open AI models  
API development and Integration  
Model evaluation and deployment  
Azure AI Services, Azure AI Search, Azure Cosmos DB

### REST Services and Software Engineering

Core Python development  
API development for UI integration  
Languages/Tools: Python, Jupyter, Postman  
Frameworks: Django, FastAPI, Flask  
DBs: MySQL, GCP BigQuery, Azure Cosmos DB

## Education

06/2017 – 08/2021  
CGPA: 8.14

**Bachelor of Technology in Computer Science,**  
*Lendi Institute of Engineering & Technology, Vizianagaram*

## Achievements

- Received Accenture's prestigious Pinnacle Award for High Performance.
- Completed Accenture stream training.
- Achieved Accenture Power Platform Conversant Certificate of Recognition.
- Completed Machine learning course with scikit-learn.
- Enrolled and completed multiple courses related to Python, Machine Learning, and other newer technologies on Datacamp.
- Completed ERA V1 course for Deep Learning.