

# Shilpa Srinivasareddy

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📍 Naples, Italy

🌐 LinkedIn Profile

## EDUCATION

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- Master in Human-Centred Artificial Intelligence** *Sept 2023- Dec 2024*  
*University of Naples Federico II, Italy* GPA: 4.0
- Master's in Data Science** *Sept 2021- March 2024*  
*University of Naples Federico II, Italy* GPA: 3.95
- Bachelor's in Computer Science and Engineering** *Aug 2017- Aug 2021*  
*Presidency University, India* GPA: 3.7

## EXPERIENCE

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- ENEA** *June 2023 - Dec 2023*  
*National Agency for New Technologies, Energy and Sustainable Economic Development* Naples, Italy
  - Reviewed literature on traditional and machine learning methods for PV forecasting.
  - Developed machine learning algorithms, including Bayesian Neural Networks and Support Vector Regression.
  - Compared traditional methods with machine learning techniques using historical PV data.
  - Analyzed results using metrics like Mean Absolute Percentage Error and Root Mean Squared Error.
- Graded SpA** *June 2023 - Dec 2023*  
*Digital Innovation/ IT area* Naples, Italy
  - Real time sensor data collection from various Sources
  - Database Management using PostgreSQL
  - Power BI dashboard development
  - Machine Learning Model Integration
- NowApps Pvt LTD** *June 2023 - Dec 2023*  
*Jr Mobile application Developer Intern* Bangalore, india
  - Collaborated with the team on Channelconnect mobile app features.
  - Performed manual testing to identify and report bugs.
  - Gathered user feedback to improve app performance.
  - Participated in team meetings to discuss project progress.

## TECHNICAL SKILLS AND INTERESTS

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**SQL and NoSQL Databases** :MySQL, PostgreSQL, MongoDB, Cassandra.

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

**ETL (Extract, Transform, Load) Tools**: Apache NiFi, Talend, Airflow, Apache Kafka.

**Statistical Analysis**: Descriptive Statistics, Inferential Statistics, Time Series Analysis

**Cloud Platforms and Services** : Azure

**Data Warehousing Solutions** : Amazon Redshift, Google BigQuery, Snowflake.

**Big Data Technologies**: Apache Hadoop, Apache Spark, Apache Flink.

**Data visualization** : : Power BI, Tableau

**Version Control**: Git and GitHub

## PROJECTS

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- Dynamic Sales Dashboard in Excel**
- HR Analytics Dashboard in Power BI**
- ENEA - National Agency for New Technologies, Energy and Sustainable Economic Development**  
*Realtime PV Production Forecasting: long-term prediction*

•**Image Captioning System using Deep Learning techniques.**

*Bridging the Gap Between Images and Language with CNN and LSTM*

•**Heart Failure Prediction Using Machine Learning**

*Using Machine Learning models such as Logistic regression, SVM, Decision tree, Random Forest, K-nearest neighbour*

•**Deep Learning Approaches for Business Process Prediction**

*Advanced models using deep learning techniques for accurate business process activity forecasting.*

•**Statistical Analysis and Machine Learning**

*Statistical Data Analysis using Python and ML for SVM and Logistic Regression Analysis for Image classification*

**LANGUAGE PROFICIENCY**

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**English:** Full professional proficiency

**Hindi :** Full professional proficiency

**Kannada :** Full professional proficiency

**Telugu :** Full professional proficiency

**Italian :** Elementary proficiency

**CERTIFICATIONS**

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**Excel: Advanced Formulas and Functions-** LinkedIn, 2024 Certificate

**Complete Guide to Power BI for Data Analysts by Microsoft Press -** LinkedIn,2024 Certificate

**Tableau Essential Training-** LinkedIn, 2024 Certificate