

# Jerla Gerald

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## Professional Summary

Certified Python developer with foundational knowledge of developing web-based applications. Knowledgeable in data visualization tools like Seaborn and Tableau. Proficient in NoSQL, MySQL databases. Some knowledge of ML algorithms.

- Sun Certified Programmer for Java2 Platform Standard Edition 5.0
- Sun Certified Web Component Developer for Java Platform Enterprise Edition 5.0

## Education

College of DuPage

**Python Language Proficiency, Certificate**

Fatima College

**Master of Science degree in Computer Applications**

Glen Ellyn, IL

**06/2022 - 05/2023**

Madurai, India

**07/1997 - 05/2000**

## Technical Skills

**Software Development:** Python, Django, Java, JavaScript

**Operating Systems:** Windows, Chrome

**Data Analytical Tools:** Excel, Pandas, Matplotlib, Seaborn, Jupyter Notebook, Tableau

**Databases:** MySQL, PostgreSQL, Cassandra

## Technical Experience

### Course Projects:

#### Memory Card Game

Memory card game framework has functionalities to draw shapes and images to the screen. The game finds the matching cards on the user's consecutive mouse clicks.

- Developed the game with OOPs python concepts and GUI for user input
- Used python IDE PYCHARM to develop the code

#### ConvNets Image Recognition System

Convolutional Neural Network (CNN) is used to analyze visual images by processing the data built using Keras and CIFAR-10 dataset.

- Image is visualized in Jupyter Notebook using matplotlib package
- Optimizing the degree of accuracy and confidence for the image recognition

## Additional Experience

### IPSD 204

Teaching Assistant

- Utilize variety of learning methods including lectures, media, group discussion
- Work with students on individual and small group basis to reinforce learning

### Eye Level of Westmont

- Provided multifaceted general office support and maintained office support
- Emphasized individual learning methods for students with resources

**Naperville, IL**

**08/2016 - present**

**09/2014 – 07/2016**