# Jenifer Selva Rani

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in jenifer-selva-rani- • ⌂ jeniferselvarani

## Objective

- Aspiring software developer with a strong foundation in Python, Flask, and web development. Passionate about building efficient and scalable applications. Seeking an opportunity to apply my skills in a dynamic development environment.

## Education

**Sarah Tucker College, Manonmaniam Sundaranar University**                    **Tamil Nadu, India**
Master of Computer Application   CGPA: 8.2/10 (Upto $3^{nd}$ sem)                    July 2023–May 2025

**Sri Paramakalyani college, Manonmaniam Sundaranar University**                    **Tamil Nadu, India**
B.Sc., Computer Science   CGPA: 8.7/10                    June 2020–May 2023

## Technical Skills

- **Programming Languages:** Python, C++
- **Web Technologies:** HTML, CSS, Bootstrap
- **Frameworks:** Flask, Django (Basic)
- **Databases:** MySQL, MongoDB
- **Concepts:** OOP, Data Structures & Algorithms, Machine Learning (Basic)

## Achievements & Activities

- Participated and got SECOND price in Software Marketing event in State Level Inter-Collegiate Technical Meet conducted by rosemary college.
- Participated in State Level Workshop on "Machine Learning using Python".
- Participated in Cyber Ninjas Immersive IDS Bootcamp conducted by Livewire.
- Completed Python For Beginners and Machine Learning from SKILLUP by Simplilearn.

## Projects

**AI-Powered Emotional Support Bot for Mental Health (Ongoing - Major Project - Flask)**
- Developed a chatbot using Flask to provide emotional support based on AI-driven responses.
- Implemented NLP techniques to analyze user sentiment and provide appropriate responses.
- Integrated a user-friendly web interface using HTML, CSS, and Bootstrap.

**Early Detection of Alzheimer's Disease Using Machine Learning (Mini Project)**
- Designed a machine learning model to detect Alzheimer's disease using MRI scan data and clinical biomarkers.
- Implemented feature extraction and applied deep learning models like CNNs and SVMs for classification.
- Addressed imbalanced datasets using SMOTE to improve classification accuracy.

## Internship Experience

**Intern | Life Changers IND** | [May-2024] – [June-2024]
- Gained hands-on experience in Python and Android Studio login page design.
- Participated in group discussions, mock interviews, and resume-building workshops.