

CHRISTAL SELVIN

Junior Software Developer

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📍 Chennai, Tamilnadu

SUMMARY

Solution-oriented and result-driven software developer with a wide spectrum of experience spanning six months. Adept at motivating both self and team. Passionate about building software with a keen eye for performance, modularity, and user experience.

EXPERIENCE

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Junior Software Developer Sep 2023 - Feb 2024, Chennai
Chatbot

- Developed a sophisticated chatbot application using Python Flask integrated with natural language processing (NLP) capabilities.
- The application processes user input through an NLP model and returns responses in JSON format, ensuring seamless interaction.

Workflow Automation

- Developed a robust Python Flask application integrating SQLAlchemy and PostgreSQL for secure CRUD operations.
- Implemented JWT encryption to ensure secure authentication and authorization, enhancing API security.
- Created a streaming API for real-time updates, enabling dynamic data interaction.

Access Linux and Windows

- Developed a versatile tool to retrieve data and execute commands across Windows and Linux environments using PYPSRP and Paramiko.
- Integrated with a user-friendly UI featuring an API-driven command execution drop-down for seamless interaction.

Mail Transfer

- Developed a Python Flask application enabling users to upload Excel files, convert them to PDF format using openpyxl or xlsxwriter, and automatically send the PDF as an email attachment to the user's specified email address using SMTP.

Grocery Management

- Developed a comprehensive grocery management system featuring a user-friendly frontend using HTML, CSS, and JavaScript, a robust backend powered by Python Flask, and efficient data storage using a MySQL database.
- Implemented CRUD operations in Python to facilitate seamless management of grocery-related data.

CERTIFICATIONS

- Python Fundamentals Certified by Great Learning.
- Front End Development Certified by Great Learning.

SKILLS

Back End	Python
Frame Work	Flask, Django
Front End	React (basic)
DBMS	MySQL, PostgreSQL
Monitoring	Grafana
Version Control	Git
OS	Windows, Linux (Ubuntu)
Containerization	Docker
Cloud Services	AWS

SOFT SKILLS

- Team Work
- Communication
- Self-Learning
- People Management
- Problem Solving

EDUCATION

Dmi College of Engineering Chennai
Bachelor of Engineering - Mechanical
GPA: 7.6/A

St. Lawrence Hr Nagercoil
Sec School
Higher Secondary
Percentage: 59

SCORES

Hacker Rank
Total Hackos: 313

LANGUAGES

- Tamil
- English
- Malayalam

INTERESTS

- Learning Languages
- Fitness
- Chess