

# Sowmya Jayasivakumar

Aspiring Python Developer  
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## SUMMARY

Proficient Python and SQL developer seeking Python developer position to leverage technical skills and contribute to innovative projects. Eager to learn and grow professionally in a collaborative team environment.

## EDUCATION

### SRI SHAKTHI INSTITUTE OF ENG. AND TECH.

COMPUTER SCIENCE ENGINEERING  
Aug 2021  
Coimbatore, TN

## SKILLS

### PROGRAMMING

- Python
- My SQL
- HTML/CSS/Bootstrap
- Basics of Django

### TOOLS/APPLICATIONS

- Git and GitHub
- Visual Studio

## CERTIFICATIONS

- HackerRank Certified Python Developer
- HackerRank Certified SQL Developer
- FreeCodeCamp Certified Responsive Web Designer

## LINKS

Github:  
<https://github.com/SowmyaJayasivakumar>  
HackerRank:  
<https://www.hackerrank.com/profile/sowmyajayasivak1>  
LinkedIn:  
<https://linkedin.com/in/sowmya-jayasivakumar>

## ADDITIONAL SKILLS

- Problem Solving
- Strong Communication Skills
- Presentation Skills

## PROJECTS

### PERSONAL PORTFOLIO

- Developed a comprehensive portfolio showcasing 10 Python projects using Django, HTML, CSS, and Bootstrap.
- Utilized Django's built-in ORM to efficiently manage project data, streamlining development and improving data integrity.
- Received unanimous positive feedback from peers during review sessions.
- Tech Stack: Python | Django | HTML | CSS

### EFFICIENT BINARY SEARCH IMPLEMENTATION

- Developed a highly optimized binary search algorithm, capable of efficiently locating elements in sorted arrays.
- Implemented iterative and recursive approaches to demonstrate different implementation styles.
- Tech Stack: Python

### SUDOKU SOLVER

- Developed a high-performance Python application capable of solving Sudoku puzzles of varying difficulties with 100% accuracy.
- Employed backtracking algorithms and constraint-based search techniques to efficiently explore solution spaces, consistently solving puzzles within 1 second.
- Tech Stack: Python

## WORK EXPERIENCE

### FAMILY CARE LEAVE || Jan 2024 - Present

- Took a family care leave to take care my mother and to enhance my technical skills in Python and SQL.
- Practiced coding on platforms like HackerRank and LeetCode which developed a strong foundation in programming concepts and problem-solving.

### UI DESIGNER || May 2023 - Dec 2023

- Contributed to the development of over 15 projects by designing intuitive user interfaces.
- Successfully delivered high-quality solutions that exceeded expectations, optimizing efficiency and streamlining processes for various business functions.

### FRONT-END DEVELOPER INTERN || Dec 2022 - Jan 2023

- Gained hands-on experience with HTML and CSS.
- Developed a basic front-end for a railway management system with features such as a welcome page, contact form, and booking ticket form.