

Vanasetti Charan

Python Developer | Backend Development

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SUMMARY

Python Backend Developer with hands-on experience building **automation-driven applications** and **logic-based systems**. Developed a **resume screening tool** using **Python**, **document parsing**, and **rule-based text analysis** to automate candidate evaluation and scoring. Strong in **backend development**, **data processing**, **debugging**, and writing **modular, maintainable code**.

SKILLS

- **Programming Languages:** Python, C
- **Web Technologies:** HTML5, CSS3, JavaScript, Bootstrap
- **Database:** SQL
- **Tools:** Git, GitHub
- **Core Concepts:** Algorithms, Debugging, Exception Handling, File Processing

PROJECTS

Resume Screening System | Python

GitHub:

<https://github.com/vanasetti-charan/resume-screener-python>

- **Developed an automated Python** tool to parse and analyze PDF/DOCX resumes against job skill requirements.
- Implemented **PyPDF2** and **python-docx** for accurate text extraction.
- Created a **custom ranking algorithm** to score candidates based on keyword density and skill matching.
- Enabled **batch processing** of multiple resumes, significantly reducing manual evaluation time.
- **Built robust error-handling protocols** to ensure reliable execution across diverse file formats.

Timed Python Quiz Application | Python

GitHub:

<https://github.com/vanasetti-charan/python-on-projects>

- Designed an **interactive Command-Line Interface (CLI) Python quiz** with time-based response validation.
- Applied **match-case statements**, modular programming, and custom exception handling for maintainable code.
- **Strengthened Python fundamentals, debugging, and logical problem-solving skills** through **real-time CLI implementation**.

EDUCATION

Bachelor of Science (B.Sc) – Mathematics, Physics, Computer Science

Gayatri Vidya Parishad College for Degree & PG Courses (A) | 2022 – 2025

CGPA: 8.5/10

CERTIFICATIONS

- **Python fundamentals** | 2025
- **C Language** | 2024
- **SQL Fundamentals** Masterclass | 2024