

VENGALA AKSHITHA

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PROFESSIONAL SUMMARY

Entry-level Python and Django developer focused on building **ATS-compliant, real-world resume analysis systems**. Strong foundation in backend development, text processing, and logic building. Certified by Harvard CS50P, Hackerrank Gold badge holder, and active problem-solver on LeetCode. Seeking an IT role where practical backend and problem-solving skills matter.

TECHNICAL SKILLS

Languages:

Python, SQL, HTML, CSS, JavaScript (basic)

Frameworks & Libraries:

Django, Django ORM, PyPDF2, python-docx, re (Regex), scikit-learn (basic)

Databases:

SQLite, MySQL (basic)

Tools & Platforms:

Git, GitHub, VS Code, Virtual Environments (venv)

Core Concepts:

ATS Resume Parsing, Text Extraction, Keyword Matching, Backend Logic Design, MVC (MVT), REST Basics

PROJECTS

ATS Resume Analyzer & Resume Diagnostics (Major Project)

Tech Stack: Python, Django, SQLite, PyPDF2, python-docx

Description:

Built a real-world ATS Resume Analyzer that simulates how actual Applicant Tracking Systems evaluate resumes.

Key Features & Logic Implemented:

- Extracts raw text from PDF and DOCX resumes
- Detects ATS-critical sections: Skills, Experience, Education, Projects
- Calculates ATS Score (0–100) based on structure & content
- Differentiates between:
 - Explicit skills (ATS-safe)
 - Inferred skills (not ATS-safe)
- Flags resumes likely to be rejected by ATS
- Suggests relevant IT roles based on detected skills
- Displays “What ATS sees” text preview
- Provides actionable ATS warnings

Real Problem Solved:

Most resumes fail ATS due to formatting and missing explicit skills. This system identifies those failures before job submission.

AIR CANVAS – Virtual Drawing Application

Tech Stack: Python, OpenCV**Description:**

Built a gesture-based virtual drawing system that allows users to draw on screen using hand movements captured via webcam.

Key Contributions:

- Implemented hand tracking and gesture recognition
- Used contour detection for hand segmentation
- Applied color segmentation to track drawing markers
- Enabled real-time drawing without physical input devices
- Strengthened understanding of computer vision pipelines

GitHub:

github.com/venngalaakshitha/AirCanvas

Emoji Tales – CS50 Project

Tech Stack: Python

- Developed a Python program that generates short stories using emojis
 - Focused on string manipulation, control flow, and clean logic
 - Part of Harvard's CS50 Programming with Python
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CERTIFICATIONS & ACHIEVEMENTS

- CS50P – Programming with Python (Harvard University)
 - Hackerrank Gold Badge (Problem Solving / Python)
 - Solved multiple Easy-level LeetCode problems (Arrays, Strings, Logic)
 - Hands-on project experience with real ATS logic
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EDUCATION

Bachelor of Technology in Computer Science Engineering

Swami Vivekananda University of Technology, Telangana

Graduated: May 2025 | CGPA: 7.8/10.0

SOFT SKILLS

- Problem-Solving and Analytical Thinking
 - Written and Verbal Communication
 - Team Collaboration and Willingness to Learn
 - Attention to Detail and Code Quality
 - Time Management and Task Prioritization
 - Self-Motivated and Proactive Learning Approach
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ADDITIONAL INFORMATION

Languages: English, Telugu

Interests: Software Development, Web Technologies, Natural Language Processing, Continuous Learning, Technical Innovation
