# DURGAM SURYA PRAKASH

**Python Developer Intern Candidate | B.Tech CSE (AI/ML) | Streamlit and OCR Projects**

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## PROFESSIONAL SUMMARY

B.Tech CSE (AI/ML) student at BVRIT building practical Python projects around resume parsing, job-description matching, OCR, and document automation. Built a deployed Streamlit resume analyzer and an OpenCV/Tesseract invoice extraction workflow. Strong at turning messy documents into clean scores, skill gaps, visual dashboards, and structured JSON output. Seeking a Python Developer internship where I can contribute reliable code and keep growing with an engineering team.

## TECHNICAL SKILLS

- Python: functions, modules, file handling, regex, error handling, OOP fundamentals
- Apps and visualization: Streamlit dashboards, Plotly charts, form workflows, responsive custom styling
- AI/NLP: Scikit-learn TF-IDF, cosine similarity, resume/job-description matching, skill extraction
- Documents and OCR: PyPDF2, python-docx, OpenCV preprocessing, pytesseract OCR, JSON extraction output
- Tools: Git, GitHub, VS Code, virtual environments, requirements.txt, project documentation

## PROJECTS

### AI Resume Analyzer | 2025

*Python, Streamlit, Scikit-learn, Plotly, PyPDF2, python-docx*

- Built a deployed Streamlit dashboard that accepts PDF/DOCX resume uploads or pasted resume text and compares it with a target job description.
- Implemented TF-IDF/cosine-similarity scoring plus role and skill coverage to surface match score, semantic fit, resume strength, and missing skills.
- Created ATS checks, matched/missing skill chips, Plotly score charts, and practical action-plan suggestions for resume improvement.
- Added parsing and error handling for unsupported, empty, or unreadable files so users get clear next steps instead of a broken workflow.

Live: ai-resume-analyzer.streamlit.app | GitHub: github.com/24211a6639-ops/ai-resume-analyzer

### AI Document Extraction System | 2025

*Python, OpenCV, pytesseract, regex, JSON*

- Built an OCR script that processes sample invoice images, converts them to grayscale, applies median blur and Otsu thresholding, then runs Tesseract OCR.
- Extracted structured fields including amounts, dates, totals, phone numbers, and invoice numbers into results.json for downstream review.
- Packaged the project with requirements, sample images, installation notes, and repository documentation for repeatable local setup.

GitHub: github.com/24211a6639-ops/doc-ai-ocr

## EDUCATION

**B.Tech - Computer Science and Engineering (AI/ML), BV Raju Institute of Technology (BVRIT), Narsapur | Sep 2024 - Apr 2028**

Second-year student focused on practical Python, AI/ML, document-processing, and dashboard projects.

## CERTIFICATION

LinkedIn Learning - Career Essentials in Generative AI (Issued 2024)