

Shraddha Ashoka

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SUMMARY

Computer Science and Engineering student with a strong foundation in Python, SQL, machine learning, and backend development. Hands-on experience working with datasets, data preprocessing, image processing, machine learning models, Flask, REST APIs, and MySQL. Interested in applying analytical and problem-solving skills to data engineering, data science, and software development roles.

TECHNICAL SKILLS

Programming: Python, JavaScript, Java (Basics)

Web Development: HTML, CSS, React.js, Flask, REST APIs, Node.js

Database: MySQL, SQL

Machine Learning: Machine Learning Basics, Image Processing

Tools: Git, GitHub, VS Code, Netlify, Render

EXPERIENCE

Industrial Mentors

Full Stack Web Development Intern / 2025

- Developed responsive web applications using HTML, CSS, and JavaScript with backend technologies and MySQL database integration.
- Gained practical experience in application development, debugging, database connectivity, and full-stack development workflows.
- Worked with frontend and backend components while understanding application flow, data handling, and database integration.

PROJECTS

Developing a Handwritten Amharic Character Recognition System *Python, PyTorch, OpenCV, Scikit-learn*

- Developed a character recognition system using a labeled handwritten Amharic image dataset and transfer learning.
- Applied image preprocessing including grayscale conversion, noise filtering, Otsu thresholding, bounding-box detection, centering, padding, and resizing.
- Extracted features using pretrained CNN models and trained classifiers including SVM, Random Forest, and XGBoost.
- Evaluated models on unseen images and integrated the prediction pipeline into a web application.

Fake & Real Face Detection Web App

Python, Machine Learning, Image Processing

- Developed a machine learning web application to classify images as fake or real using image preprocessing and deep learning techniques.
- Implemented image processing and prediction workflows to generate classification results through a web interface.

AI-Powered Resume Analyzer

Python, Flask, Gemini API

- Built an AI-powered web application that analyzes resumes using ATS-based scoring and provides AI-generated improvement suggestions.
- Developed backend functionality using Flask and integrated REST APIs for resume analysis and feedback generation.

Sri Kaveri Ice Plant – Commercial Website

React.js, TypeScript, HTML, CSS

- Developed a responsive commercial website using React.js and TypeScript with reusable components and structured product sections.
- Integrated WhatsApp enquiry functionality and deployed the website for public access using Netlify.

EDUCATION

Rajarajeswari College of Engineering

Bachelor of Engineering (B.E.) – Computer Science and Engineering

CGPA: 8.64/10

Bengaluru, India

Sept 2023 – June 2027

CERTIFICATIONS

- Infosys Springboard** – Complete Front End Development Journey
- Udemy** – Python Complete Course for Beginners
- Great Learning Academy** – Artificial Intelligence with Python