Vansh Pandya

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Education

Bachelor of Engineering (B.E.) - Computer Engineering

C.K. Pithawala College of Engineering, Surat

CGPA: 8.26 • Expected Graduation: May 2026

Work Experience

Python Developer Intern

Inside Infotech Solutions

July 2025 - Present

- Build microservies backend in python + React.Js

- Utilized Python, React.Js to build, test features.

- Consistently delivered on projects. Worked on Govt Websites and Created automation Tools

- Packaged Python applications into distributable executables (EXEs) and worked on Live websites.

Technical Projects

Private Cloud Web-app   Live-Website

Deployed a full-stack application for personal Journel. sign-in integration using Firebase Authentication for OAuth2.0. Optimized system using Redis for low-latency session caching and SendGrid for SMTP.

Tools: React, Python-Flask, PostGreSql, Redis, Render, vercel, Firebase

OCR voter-list Automation   Git Repo

Developed a pipeline to digitize unstructured voter records.Worked with Gemini 2.0 Flash's for high-Accuracy, context-aware text extraction, reducing manual entry time. Integrated OpenCV for advanced image rectification and Tesseract as a fallback OCR engine to ensure 99%+ character recognition accuracy.

Tools: Python, Tesseract, OpenCV, Gemini-2.0 flash, SQlite, asyncio

Cryptograhic Digital Signer Application

A secure Desktop Cryptographic Application for digital documents. Implemented PKCS#11-compliant digital signatures using hardware-based USB DSC (Digital Signature Certificates).Ensuring non-repudiation and document integrity for sensitive PDF workflows.

Tools: Python, customtkinter, pyhanko, PKCS#11, threading

Personal Finance Tracker   Git Repo

Created a full-stack financial dashboard designed to help users manage their personal capital through real-time tracking and interactive data summaries. Built a robust backend API to handle income and expense logging,visual charts for trend analysis. By implementing secure user authentication and optimized database queries.

Tools: HTML, CSS, JavaScript, PHP, MySQL

Technical Skills

Languages: Python, JavaScript, SQL, HTML/CSS

Libraries & Frameworks: React-js, Flask, Tailwind