ADITYA SHUKLA

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EDUCATION

VIT Bhopal University   2022 - Present
B. Tech. (Computer Science Engineering)   8.57 CGPA

TECHNICAL SKILLS

Languages - Python, Java, JavaScript

Web Development - HTML, CSS, React.JS, Express.JS [With Node.JS]

Database - SQL, PostgreSQL

PROJECTS

Optical Character Recognition (OCR) Module   (March 2024 - May 2024)

Real-Time Text Extraction

- Developed a real-time OCR system in Python using Pytesseract, OpenCV, and Pillow for text extraction.
- Implemented preprocessing techniques such as grayscale conversion, thresholding, edge detection to enhance accuracy and automatic noise detection/removal (Gaussian/impulse).

Resume Builder   (October 2023 - January 2024)

Builds ATS-Friendly Resumes

- Built a full-stack resume builder web app using React (Vite) and NestJS, designed to run entirely on a local machine without deployment.
- Used PostgreSQL for data management and integrated Puppeteer to generate PDF resumes locally.

Project AI   (March 2023 - September 2023)

Personalized AI Solutions for Web and Desktop

- Engineered an AI-powered desktop assistant using Python, SpeechRecognition, PyAutoGUI, and Hugging Face API to enable voice-activated and text-based task execution like opening apps, visiting websites, playing YouTube media, and initiating WhatsApp/phone calls.
- Built cross-platform GUI with Eel (HTML/CSS/JS + Bootstrap), integrated PostgreSQL for persistent storage, and automated system-level interactions via PyTTSX3, PyWin32, Pocketsphinx, and PyWhatKit.

CERTIFICATIONS

Oracle AI Vector Search Professional (1Z0-184-25)

AWS Cloud Practitioner

EXTRA-CURRICULAR

Tech Lead (Android Club)   October 2022 - September 2024

- Led cross-functional teams and coordinated logistics for a 200+ participant coding event, demonstrating strong leadership, time management, and the ability to deliver under pressure.
- Enabled smooth execution of a multi-session club event by proactively managing technical operations and backstage coordination, showcasing adaptability, clear communication, and problem-solving in real-time.