

ADITYA SHUKLA

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EDUCATION

VIT Bhopal University	2022 - Present
B. Tech. (Computer Science Engineering)	8.67 CGPA

TECHNICAL SKILLS

Languages: Python, Java, JavaScript | **Web:** HTML, CSS, React.JS, Express.JS (Node.JS)

DB: SQL, MySQL, PostgreSQL | **Tools:** AWS, GitHub, MS Office suite

PROJECTS

Optical Character Recognition (OCR) Module	(March 2024 - May 2024)
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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)
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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)
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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 (CLF-C02)

Oracle OCI Data Science Professional (1Z0-1110-25)

EXTRA-CURRICULAR

Tech Lead (Android Club)	October 2022 - September 2024
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- 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.