SANATH KUMAR POKALA

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PROFESSIONAL SUMMARY

Entry-level Software Developer specializing in Python, Django Rest Framework, and React.js. Hands-on experience delivering full-stack applications, secure APIs, and optimized databases. Built and deployed real-world projects including e-commerce platforms and AI-based tools, demonstrating strengths in Agile development, Git version control, and cloud deployment.

SKILLS

Languages & Frameworks: Python, Django, DRF, React.js, Redux, JavaScript, HTML, CSS, Bootstrap, Tailwind
Database: MySQL
Tools & Platforms: Visual Studio Code, PyCharm**,** Git, GitHub, Docker, Kubernetes, Linux
Core Competencies: REST APIs, Authentication & Authorization, Database Optimization, Cloud Deployment, Agile, CI/CD (basic)

ACADEMIC PROJECT

Privacy-Critical Cloud Storage Framework – Python, Encryption

- Designed a searchable encryption framework for secure cloud storage.
- Implemented dual-hash indexing and incidence matrices to enable fast queries on encrypted data.
- Developed end-to-end encryption for secure file sharing, mitigating unauthorized access risks.
- Conducted scalability, reliability, and security testing under varied load conditions.

PERSONAL PROJECTS

E-Commerce Platform – Python, Django, DRF, MySQL

- Developed a full-stack e-commerce application with cart, checkout, and secure payment gateway integration.
- Built REST APIs that reduced backend response time by 60%**.**
- Designed an admin dashboard for product & inventory management, improving efficiency by 80%**.**
- Optimized database queries, cutting page load time by 40%**.**

Portfolio Website – React.js, Bootstrap, Tailwind CSS

- Built a responsive personal site**,** reducing page load time by 30%**.**
- Created sections (About, Skills, Projects, Contact) for clean navigation.
- Integrated GitHub, LinkedIn, and resume download to boost professional visibility.

AI Video Transcriber Tool – Python, Whisper, MoviePy

- Automated speech-to-text transcription from video/audio files with Whisper AI.
- Added batch-processing and multi-format support (.mp4, .mkv, .wav).
- Exported transcriptions into TXT and JSON formats for flexible usage.

EDUCATIONAL QUALIFICATIONS

Sree Chaitanya College of Engineering, Karimnagar   **2017 - 2021**

M.C.A in Computer Science

Sree Chaitanya Degree College, Karimnagar   **2014 - 2017**

B.SC in Computer Science

SR Junior College, Karimnagar   **2012 – 2014**

Intermediate

Bharateeya Vidhya Kendra High School, Karimnagar   **2011 - 2012**

High School

CERTIFICATES

- Python 3 Course: Beginner to Advanced |Udemy
- HTML, JavaScript, & Bootstrap |Udemy
- MySQL for Absolute beginners |Udemy

STRENGTHS

- Positive attitude and strong work ethic.
- Ability to learn quickly and adapt to new technologies.
- Strong attention to detail and ability to multitask.