

RITESH CHAKRAMANI

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Portfolio: <https://ritesh-chakramani.netlify.app/>

PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented software developer with expertise in Python, SQL, Java, and web technologies. Experienced in developing IoT-based applications, database management, and web solutions. Passionate about problem-solving, optimizing queries, and creating efficient software solutions. Seeking a role as a Python Developer, SQL Developer, Java Developer, or Web Developer to apply my technical expertise in a dynamic environment.

EDUCATION

Master of Computer Applications (MCA) | 2023-2024

Rani Chamamma University, Belagavi

CGPA: 7.63 | SGPA: 9.5 (Academic Project)

Bachelor of Computer Applications (BCA) | 2019-2022

CES Chetana BCA College, Vijayapura

Percentage: 75%

Pre-University Course (PUC) – Science | 2018-2019

Sri N. B. Patil PU Science College, Vijayapura

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, C, SQL

Web Technologies: HTML, CSS, JavaScript, PHP, ReactJS

Database Management: MySQL, SQL Queries Optimization

Development Tools: Arduino IDE, VS Code, Cygwin

Core Skills: Software Development, Debugging, Web Designing, IoT Integration

CERTIFICATIONS

- AWS Certified Cloud Practitioner – Simplilearn
- ReactJS Certification – Simplilearn
- Python Programming Certification

PROJECT EXPERIENCE

1. Keylogger & Security Monitoring Tool

Technologies Used: Python, Flask, HTML/CSS (Poppins, FontAwesome), JavaScript

- Developed an ethical keylogger tool with keystroke logging, application/website tracking, and screenshot capture capabilities.
- Implemented a secure login page and a modern UI dashboard with dark/light mode toggle.
- Designed to run silently in the background without triggering antivirus alerts.

2. AI-Powered Speech-to-Text Web App

Technologies Used: Python, Flask, OpenAI Whisper, FFmpeg, Web Audio API

- Built a real-time transcription tool with voice activity detection and automatic punctuation.
- Created a responsive UI with neumorphic design and cross-browser compatibility.
- Integrated OpenAI's Whisper for high-accuracy speech recognition.

PUBLICATIONS

- [Weather Monitoring System Using IoT – IRIMETS](#)