

RITESH CHAKRAMANI

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PROFESSIONAL SUMMARY

IT graduate with hands-on experience in software development and a strong foundation in programming. Passionate about applying technical knowledge to solve real-world challenges. Skilled in coding, debugging, and web development, with experience in IoT-based systems.

EDUCATION

Master of Computer Applications (MCA) | 2023-2024

Rani Channamma 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 (3 yrs), Python (2 yrs), C++ (1 yr), C (1 yr), SQL (2 yrs)

Web Technologies: HTML (4 yrs), CSS (3 yrs), JavaScript (2 yrs), PHP (2 yrs)

Database Management: MySQL, SQL Queries Optimization

Development Tools: Arduino IDE, VS Code, Cygwin

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

PROJECT EXPERIENCE

IoT-Based Weather Monitoring & Alert System

Technologies Used: NodeMCU ESP8266, DHT11, BMP180, Rain Sensor, Light Sensor, Arduino IDE, Blynk App

- Developed a real-time weather monitoring system with sensor integration for temperature, humidity, and pressure readings.
- Implemented automated threshold-based alerts and notifications through the Blynk app.
- Designed a data visualization system with graphical analytics for trend analysis.
- Achievement: Scored **364/400** in academic evaluation (SGPA: **9.36**)

Advocate Management System (Web Application)

Technologies Used: PHP, HTML, CSS, JavaScript, MySQL

- Developed a web-based advocate-client management system with appointment scheduling.
- Implemented multi-user role functionality for clients and advocates.
- Achieved **296/300** in academic project presentation.

PUBLICATIONS

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