

Bharath Kumar G R

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Professional Summary

Aspiring Software Developer with hands-on experience in Python, JavaScript, HTML, CSS, and MySQL. Proficient in object-oriented programming, data structures, and algorithms, with a strong foundation in building full-stack applications. Skilled in writing clean, maintainable code and documenting technical content. Proven ability to deliver real-world solutions through internships and personal projects.

Technical Skills

Programming Languages: Python, JavaScript, HTML, CSS

Database Management: MySQL

Tools: Git, GitHub, VS Code

Concepts: Object-Oriented Programming, Data Structures, Algorithms and MS office.

Education

Bachelor of Engineering (Electronics & Communication)

RYM Engineering College, Ballari – VTU, Belagavi

2021 – 2025 | Aggregate: 73.29% (Till 7th Sem)

Diploma in Electrical & Electronics Engineering

HSK Polytechnic, Ballari – DTE Karnataka

2019 – 2022 | Percentage: 62.97%

SSLC (10th Grade)

SPSR Composite Junior High School, Rampura – KSEEB

2018 – 2019 | Percentage: 81.76%

Project Work

1. Smart Automatic Watering & Irrigation System | 2025

Technologies Used: IoT, Sensors, Machine Learning, Embedded Systems, Python, RESTful APIs

- Developed a smart irrigation system using soil moisture sensors, temperature sensors, and humidity sensors.
- Integrated IoT modules (e.g., ESP32) and machine learning algorithms to predict and automate watering schedules, optimizing water consumption.
- Enabled real-time data monitoring and remote management through web APIs, improving agricultural efficiency.

2. Stroke Prediction System | 2024

Technologies Used: Python, Machine Learning, Data Analysis, Random Forest, Gradient Boosting

- Developed a predictive model using machine learning algorithms to assess stroke risk from health data.
- Achieved 85% accuracy with ensemble techniques like Random Forest and Gradient Boosting.
- Implemented a user-friendly interface for clinicians to input patient data and receive actionable insights.

Experience & Leadership

- **Event Organizer – Saraswati Puja (Hostel Committee Leader)**

Led and coordinated a cultural event with over 125 participants. Managed logistics, budgeting, and communication across teams to ensure smooth execution.

- **Team Captain – Volleyball (10th Standard)**

Directed team practices and led the school team during inter-school competitions, fostering teamwork and sportsmanship.

- **Volunteer – Cow Rescue Initiative**

Participated in an emergency response with peers to rescue a cow from a river. Demonstrated courage, teamwork, and community care.

Languages Known

- English (Fluent)
- Kannada (Native)
- Telugu (Conversational)
- Hindi(understand)

Achievements

- 2nd Rank Holder in SSLC in my village.
- Winner of multiple 100m sprint races at school and college levels.