

# BHARATH KUMAR G R

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## PROFESSIONAL SUMMARY

**Aspiring Software Developer** with strong hands-on experience in Python, MySQL, and full-stack web development. Proficient in developing scalable backend systems, RESTful APIs, and implementing data-driven solutions. Passionate about solving real-world problems through clean and efficient code.

## PROJECTS

- 1.Customer Segmentation System

2025

  - Technologies:** Python, Pandas, NumPy, Scikit-learn, MySQL, Matplotlib
  - Developed a machine learning model to segment retail customers using RFM analysis.
  - Processed customer data and implemented K-Means clustering to enhance targeted marketing strategies.
2. Automatic Watering & Irrigation System

2024 - 2025

  - Technologies:** IoT, Python, Embedded Systems, REST APIs
  - Built an automated system using soil sensors and Python to control irrigation based on moisture levels.
  - Reduced manual intervention and improved water conservation efficiency.

## EDUCATION

- Bachelor of Engineering - Electronics & Communication

RYM Engineering College, Bellary (Affiliated to VTU, Belagavi)  
2022 – 2025 | Aggregate: 77.23%
- Diploma in Electrical & Electronics Engineering

HSK Polytechnic, Bellary (DTE Karnataka)  
2019 – 2022 | Percentage: 62.97%
- SSLC (10th Grade)

SPSR Composite Junior High School, Rampura (KSEEB)  
2018 – 2019 | Percentage: 81.76%

## TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript, HTML, CSS
- Databases:** MySQL
- Tools & Technologies:** Git, GitHub, VS Code, RESTful APIs, IoT
- Frameworks/Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- Concepts:** Object-Oriented Programming (OOP), Data Structures & Algorithms, Machine Learning

## INTERNSHIPS

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### Completed Internships on Full Stack Python Developer

Abhivridhdi EdTech, Bellary

15 June 2024 – 10 October 2024

## LEADERSHIP & VOLUNTEERING

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- **Event Organizer, Saraswathi Puja** – Led event for 125+ participants, managing logistics and coordination
- **Team Captain, Volleyball** – Directed team strategy and coordination during inter-school events
- **Volunteer, Cow Rescue Initiative** – Participated in emergency animal rescue operation

## LANGUAGES

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- English (Fluent)
- Kannada (Native)
- Telugu (Conversational)
- Hindi (Basic Understanding)

Date:

Place: Bellary

(BHARATH KUMAR G R)