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S/O Raja Ram Prasad, Station Road, Begusarai,  
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Begusarai, Bihar, 851101

### Objective:

Highly motivated and skilled Computer Science graduate with a strong foundation in C, C++, Java, Python, Machine Learning, Android development using Java, IoT, and web development using PHP. Currently pursuing an MCA degree to further enhance knowledge and expertise. Eager to contribute my skills and enthusiasm to a dynamic organization as a Software Developer, where I can learn and grow while delivering innovative solutions.

### Education:

**Master of Computer Applications (MCA)**  
Expected Graduation: July 2024  
Graphic Era Hill University, [Dehradun,  
Uttarakhand]

**Bachelor of Computer Applications (BCA)**  
[2022]  
Shri Guru Ram Rai University, Dehradun,  
Uttarakhand  
CGPA: 8.6/10

**Intermediate (Class XII) [2019]**  
Vidya Vihar Residential School, Purnea, Bihar  
Percentage: 71.4%

**Secondary School Certificate (Class X) [2017]**  
Don Bosco Academy, Begusarai, Bihar  
CGPA: 10/10

### Technical Skills:

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

**Web Development:** PHP, HTML, CSS,  
JavaScript

**Machine Learning:** Regression, Classification,  
Clustering

**Android Development:** Android Studio, Java,  
XML

**Internet of Things (IoT):** Arduino, Raspberry  
Pi, MQTT

**Database Management:** MySQL, SQLite

**IDEs:** Eclipse, Visual Studio Code, PyCharm

**Operating Systems:** Windows, Linux

**Robotics:** Ros2

### Soft Skills:

Problem Solving  
Teamwork  
Adaptability

## Projects:

### 1. Machine Learning

- a. House Price Predictor (Python)
- b. Sentiment analysis of user (Python, NLP)
- c. Personal Assistance (Python, NLP)
- d. Breast cancer Predictor (Python)
- e. Home automation and security (Python, IOT, Flask, Face Detection and Object Detection)

### 2. Android Application

- a. Android Weather App (Android Studio, Java, XML)
  - Created a user-friendly weather application that fetches real-time weather data using APIs.
  - Implemented location-based services to provide personalized weather forecasts.
- b. Smart Home Automation App (Android Studio, Java, XML)
  - Created user friendly smart home application that monitor home appliance measure all the parameter such as power usages, control various application, CCTV camera with face recognition
- c.Tic Tak Toe

### 3. IoT-based Project

- a. Home Automation System (NODE MCU, ESP32 CAM)
  - Designed a home automation system that enables remote control of appliances through a mobile app.
- b. Smart car (ESP32 CAM)
  - which avoid obstacle and have computer vision to take decision
- c. Robotic Arm
  - This helps us to pick up object.

### 4. Website (PHP, HTML, CSS, MySQL)

- a. Blogpost and E-learning based Website (PHP, HTML, CSS, MySQL)
  - Developed a responsive E-learning platform with user authentication and e-library and blog Post functionality.
- b. Smart Home control using Arduino.
- c. Library management system

## Co-Curricular Activities:

- Participate in Tech Quiz (Runner-up)
- 24-hour hackathon on real time problem (8<sup>th</sup> position)
- Robot making Competition (3<sup>rd</sup> position)
- Various coding competition

## Certifications:

- Cybersecurity (Cisco)
- Introduction to Natural Language Processing (Great Learning)

## Languages:

- English
- Hindi

**VIVEK KUMAR**

**July 2023**