

Vivek Kumar

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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, Neural Networks
- Android Development: Android Studio, Java, XML
- Internet of Things (IoT): Arduino, Raspberry Pi, MQTT
- Database Management: MySQL, SQLite
- Version Control: Git
- IDEs: Eclipse, Visual Studio Code, PyCharm
- Operating Systems: Windows, Linux

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)

- c. -which avoid obstacle and have computer vision to take decision

- d. Robotic Arm

- This help us to pick up object

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

- a. Blog-post 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

Extra-Curricular Activities:

- Participate in Tech Quiz (Runner-up)
- 24 hour hackathon on real time problem (8th position)
- Robot making Competition (3rd position)

Certifications:

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

Languages:

- English
- Hindi