

VIVEK RAI

DETAILS

ADDRESS

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Kota, 324005
India

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DATE OF BIRTH

28 July 1999

SKILLS

Java
Python
JavaScript
Flutter Framework
MySQL Database
HTML5, CSS3
Git
Information Security
Technical Troubleshooting

LANGUAGES

English
Hindi

OBJECTIVE

Motivated computer science postgraduate with a solid academic background and a keen interest in software development and technology. Seeking opportunities to apply theoretical knowledge gained during studies to practical, real-world projects. Eager to collaborate with industry professionals, contribute to innovative solutions, and further develop skills in programming, problem-solving, and teamwork. Dedicated to staying updated with the latest technological advancements and leveraging them to deliver efficient and impactful software solutions.

EDUCATION

SSC, Sarvodaya Senior Secondary School	2015
10 CGPA	
HSC, Mayank Senior Secondary School	2017
85.80%	
Bachelor of Computer Application, Om Kothari Institute of Management & Research	2021
86.59%	
Master of Computer Application, University of Kota	2023

PROJECTS

KrishiMitra - Plant Disease Detection Android Application

- Created "Krishi Mitra," an innovative Flutter-based Android application.
- Leveraged Firebase for seamless user authentication and data storage, ensuring a secure and personalized experience.
- Integrated weather and news APIs to provide real-time agricultural updates and relevant information to users.
- Developed advanced functionality for plant disease detection using Machine Learning, offering users accurate diagnoses and suggesting effective remedies.
- Implemented real-time IoT field monitoring, enabling farmers to remotely monitor their fields and make informed decisions.
- Designed a user-friendly interface for intuitive navigation, enhancing user engagement and satisfaction.

Cryptority - Information Security Android Application

- Designed, developed, and deployed a robust cryptography application using Flutter framework for Android devices.
- Successfully integrated classic encryption algorithms including Caesar Cipher, AES (Advanced Encryption Standard), DES (Data Encryption Standard), Hill Cipher, and SHA (Secure Hash Algorithm) within the application.
- Designed intuitive UI for algorithm selection, user input, and output display.
- Implemented secure data handling and validation to ensure user privacy.
- Optimized performance and fixed bugs through testing and debugging.

BMI Calculator - Health Monitoring Android Application

- Developed a user-friendly BMI calculator app using Flutter.
- Provided quick and accurate BMI results based on user inputs.
- Demonstrated proficiency in Flutter's UI and logic implementation.
- Contributed to health monitoring through a simple yet effective mobile tool.

College Website

- Revamped the college website using a combination of HTML, CSS, JavaScript, and PHP.
- Created a modern and visually appealing user interface to enhance user experience.
- Implemented responsive design principles to ensure compatibility across various devices.
- Enhanced website functionality by integrating interactive features using JavaScript.
- Utilized PHP for dynamic content management, optimizing user engagement.

CERTIFICATES

Software Engineering Virtual Experience

JPMorgan Chase & Co.

Oct 2022

Problem Solving & Programming in Python & Website Designing

Department of
Computer Science &
Informatics, University
of Kota

Dec 2023