

VIKASH KUSHWAHA

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PROFESSIONAL SUMMARY

Goal-oriented and enthusiastic B.Tech Computer Science & Engineering student with a strong focus on software development, Python programming, and machine learning. Experienced in building real-time applications, GUI-based desktop tools, full-stack web applications, and machine learning prediction systems using Python, Django, Laravel (PHP), Bootstrap, OpenCV, Tkinter, Pandas, NumPy, and Scikit-learn. Skilled in problem-solving, application development, database design, data preprocessing, model training, input validation, payment gateway integration, deployment, and presenting technical solutions clearly. Seeking opportunities as a Software Developer, Python Developer, or Machine Learning Engineer to contribute to technology-driven projects while continuously improving technical expertise.

CORE SKILLS

Programming Languages: Python, PHP, HTML, CSS, SQL

Web Development: Django, Laravel, Bootstrap, Full-Stack Development, Responsive Web Design

Database: MySQL, SQL Schema Design

Machine Learning & Data Science: Machine Learning Basics, Pandas, NumPy, Scikit-learn, Data Preprocessing, Model Training

Computer Vision: OpenCV, YOLOv8, Real-Time Object Detection

Software Development: GUI Development, Desktop Applications, Input Validation, Error Handling, Application Logic

Payment Integration & Deployment: Razorpay, UPI/Card/COD Payment Flow, PythonAnywhere

Tools & Platforms: MS Excel, Tkinter, Python Libraries

Soft Skills: Problem-Solving, Team Collaboration, Time Management, Strategic Thinking, Public Speaking

PROJECTS & INITIATIVES

Cyrox - E-Commerce Platform

Django | Python | Bootstrap | Razorpay | PythonAnywhere | 2026

- Developed a full-stack e-commerce web application with authentication, product listing, cart, and checkout.
- Integrated Razorpay payment gateway supporting UPI, Card, and Cash on Delivery, with order history tracking.
- Designed a responsive Bootstrap UI and an admin panel (Jazzmin theme) for product and order management.
- Deployed the live application on PythonAnywhere with stock validation and inventory management.

FTPProcess - Business Process Web Application

PHP | Laravel | SQL | 2026

- Built FTPProcess (ftprocess.com), a business process management web application using the Laravel (PHP) framework.
- Designed the SQL database schema and implemented Laravel's MVC architecture (routes, controllers, models, Blade views) to handle core business logic.
- Delivered the completed application to a client for production use, handling the project independently end-to-end.

Real-Time Object Detection System

YOLOv8 | Python | OpenCV | 2024

- Developed a real-time object detection system using YOLOv8 with live webcam input, displaying bounding boxes and class labels.
- Implemented logic to differentiate between person detection and other detected objects.
- Ensured smooth webcam handling, exit conditions, and proper resource cleanup.

Heart Disease Prediction System

Machine Learning | Python | 2023

- Developed a machine learning model to predict heart disease using patient health parameters.
- Performed data preprocessing and model training using Pandas, NumPy, and Scikit-learn.
- Interpreted prediction results and presented findings clearly for academic evaluation.

EDUCATION

B.Tech in Computer Science & Engineering

2022 - 2026

R.R. Institute of Modern Technology (AKTU), Lucknow

Intermediate

2020 - 2022

MMM Intermediate College, Bhatpar Rani, Deoria

High School

2020

St. Xaviers School, Bhatpar Rani, Deoria

TRAINING & EXPOSURE

- Participated in workshops on communication skills and sales strategy.
- Attended mock client-handling and lead conversion sessions.
- Learned basics of digital marketing, online outreach, and branding concepts.

ACHIEVEMENTS

- Earned Python Certification from Udemy.
- Recognized as an active participant in group discussions and presentations.
- Successfully completed multiple academic and technical projects.

INTERESTS

Software Development, Python Programming, Machine Learning, Computer Vision, Full-Stack Web Development, Technology-Based Solutions, Public Speaking, Sports

LANGUAGES

Hindi, English