

# VISHAL SINGH

☎ +91-7905248829

✉ [singhvishal686030@gmail.com](mailto:singhvishal686030@gmail.com)

in [LinkedIn](#)

🔗 [GitHub](#)

📁 [Portfolio](#)

📝 [Medium](#)

## EDUCATION

Maharana Institute of Professional Studies

Bachelor of Technology(B.Tech) - Computer Science & Engineering -

09/2022 – Currently pursuing

Mandhana, Kanpur

## PROFILE SUMMARY

- **Independent and self-motivated professional**, recognized for dedication and commitment to achieving goals.
- **MERN stack developer** and Computer Science student skilled in building **responsive, high-performance applications** with a strong focus on user experience.

## TECHNICAL SKILLS

**Programming:** Java, Python, JavaScript, HTML5, CSS3, Tailwind CSS, Node.js, React.js, C/C++, Express.js

**Database:** MongoDB, MySQL

**General:** Data Structure and Algorithms, OOPs, Problem Solving

**Developer Tools:** Visual Studio, PyCharm, Git, GitHub, Dev C++

**Technologies:** RESTful APIs, asynchronous request handling, version control systems (Git and GitHub), state management libraries (Redux, Context API), CNN (yolov5)

## COURSEWORK / SKILLS

- |                           |                         |                         |
|---------------------------|-------------------------|-------------------------|
| • DSA                     | • DBMS                  | • Neural Networks (CNN) |
| • Full Stack Developement | • Software Developement | • Operating System      |

## PROJECTS

Notion Academy 🔗 | **Tools:** React, NodeJs, MongoDB, ExpressJs, Razorpay, Redux, Git, Responsive Design

Notion Academy is a cutting-edge MERN stack learning platform where admins, instructors, and students collaborate.

### Responsibilities:

- Instructors can create interactive courses where **100+ students can learn, engage, and collaborate through the Doubt Forum.**
- **Role-based access for 3 user types—Admin, Instructors, and Students—ensures secure authentication and authorization, supporting over 1,000+ users across the platform.**
- **Integrated Razorpay** enables secure and **seamless payments for 500+ transactions monthly**, while Cloudinary storage improves data retrieval efficiency by 20%.

Currency Converter 🔗 | **Tools:** React, API Integration, Responsive Design, Git

Built a responsive currency converter using React.js and APIs, supporting **real-time exchange rates for 50+ currencies** and **boosting mobile engagement by 15%.**

### Responsibilities:

- Designed and implemented a **high-performance web application for real-time currency conversion**, leveraging **React.js and API integration to support 50+ global currencies.**
- Utilized **Git** for version control, ensuring seamless collaboration and efficient project management.

CNN Authentication System 🔗 | **Tools:** Python & CNN (YOLOv5) Model

- Gathered and annotated **2,000 images using Labelling** to create a custom dataset for the **YOLOv5 ML model.**
- Transformed data management workflows by initiating a quarterly review process, leading to the identification of inefficiencies and **enhancing overall user satisfaction ratings by 15% based on feedback surveys.**
- Trained the model on Google Colab, achieving **detection accuracy of over 90%** for Card Authentication.

## ACHIEVEMENTS & CERTIFICATION 🔗

- **Certified MERN Stack Developer** from CodeHelp, **expertise in full-stack web development.**
- Achieved **4th rank** in the college coding competition *Code-o-Fiesta*, showcasing technical proficiency and competitive aptitude.
- **Selected and qualified** for the **Internal Smart India Hackathon 2023**, highlighting innovative problem-solving skills and teamwork capabilities.