

# Kamal Yogi

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## EDUCATION

- **MIT School of Engineering, MIT ADT University** Pune, India  
*Bachelor of Technology - Computer Science and Engineering; GPA: 8.17* *August 2019 - July 2023*  
*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

## SKILLS SUMMARY

- **Languages:** C++, JavaScript, Python, Java
- **Frontend:** HTML, CSS, ReactJS
- **Backend:** NodeJS, MySQL, MongoDB
- **Technology:** Blockchain, Smart Contracts

## EXPERIENCE

- **The Sparks Foundation** Remote  
*Web Development Intern-Certificate* *April 2023*
  - **Project Course:**
    - (i) **Basic Banking System:** Implemented a simple dynamic website to handle customer transactions on the websites with MySql database.
    - (ii) **Payment Gateway Integration:** Implemented a responsive website and did payment integration for the website using razorpay.
  - **Tools & Technology:** HTML, CSS, NodeJS, Razorpay
- **The Sparks Foundation** Remote  
*Computer Vision and IOT (Intern)-Certificate* *September 2022*
  - **Project Course:**
    - (i) **Color Identification in Images:** Implementation of an image color detector which identifies all the colors in an image or video, and yields the RGB components of the pointed area on the screen.
    - (ii) **Detection of Face Mask:** Created a real-time face mask detector that detects if an individual is wearing a mask or not. It will draw a green box around the face and give an immediate result based on the machine learning model's accuracy.
  - **Tools & Technology:** openCV, TensorFlow, Scikit, Python

## PROJECTS

- **Sea food traceability using Blockchain:** The application works with smart contracts for tracing sea food throughout the supply chain. Generates QR-Codes to provide details of a product's journey from origin to consumer in a decentralized manner. Aimed to create a reliable and secure traceability system.  
Technology: Solidity, JavaScript, ReactJS, Smart Contracts, Blockchain.
- **Content Management System:** Developed a Content Management System (CMS) using Node.js, EJS, and CSS, featuring role-based access control with admin and user roles. The system allows admins to create and edit posts with titles, images, and descriptions, and manage users. Authentication is implemented using JSON Web Tokens (JWT) for secure login, while authorization middleware ensures proper access control. Data is stored in a MongoDB database, providing efficient data management. This project showcases proficiency in full-stack development, delivering a scalable and secure CMS solution.  
Technology: NodeJS, JWT, JavaScript, EJS, CSS, MongoDB
- **ColdTube:** Developed a YouTube clone using React and Redux, leveraging the YouTube API for video integration. Implemented advanced features like shimmer effect, debouncing in the search box, nested comments, and a live chat feature. Created a responsive and engaging user interface to replicate the core functionalities of YouTube, enhancing the user experience. Technology: ReactJS, Redux JavaScript, Tailwind CSS
- **Hospital Management System:** Hospital Management System is a web-based application designed to assist in the management of hospital operations, such as patient management, doctor management, appointment management, and patient record management. The application follows the Model-View-Controller architecture and is built with the Maven tool.  
Technology: Java, Jsp, Servlet, sql, MySQL, Html, Bootstrap.
- **Expense Tracker:** The application maintains records of daily expenses and allows users to view data from two time periods and have a categorized analysis of the costs. The application provides the ability to add expenses into multiple categories and the application will illustrate the expenses broken down into various categories using various graphs which aids users in understanding their expense better.  
Technology: Python, Tkinter, Matplotlib, File Handling, Pandas.

## CODE SPACE

- Overall coding score of 611 on GFG solving 265+ problems. ([GFG Profile link](#))
- 280+ Problems solved on LeetCode. ([Leetcode Profile link](#))