

# Vaishnavi H D

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## Profile Summary

Motivated Information Science student with a strong foundation in software development and problem-solving. Eager to apply technical skills in real-world projects and gain hands-on experience in a dynamic, growth-oriented development environment.

## Technical Skills

### Languages

HTML, CSS, JavaScript, Angular, Python and Java

### OS

Windows and Linux

### Version control

Git

### Database

SQL and Blockchain

## Internship Experience

### Web Development Intern

- Completed a web development internship, where I designed and developed responsive websites using HTML, CSS, and JavaScript to enhance user experience. Collaborated with cross-functional teams to create intuitive user interfaces, debug code, and optimize website performance. Gained hands-on experience in deploying, maintaining, and improving web applications.

## Projects

### Library Database Management System

- Designed and implemented a Java-based library management system integrated with MySQL to enhance data management.
- Automated key processes such as book tracking, member registration, and borrowing to streamline workflows.
- Optimized operational efficiency by automating routine library functions, leading to increased productivity.

### Eye Blink Detection

- Developed a real-time eye blink detection system using dlib and OpenCV, applying advanced computer vision techniques.
- Utilized Eye Aspect Ratio (EAR) calculations to ensure precise and accurate blink detection.
- Explored applications in human-computer interaction and accessibility tools

### Personal Voice Assistant with Chatbot

- Developed a voice-activated personal assistant leveraging natural language processing (NLP) for seamless user interaction.
- Integrated speech-to-text functionality to enable smooth, real-time voice communication.
- Employed AI algorithms to deliver personalized, context-aware responses, enhancing user experience

### Funds with Integrity: Blockchain for Transparency

- Designed and built a blockchain-based platform to facilitate secure and transparent financial transactions.
- Implemented smart contracts to automate business operations and ensure data integrity.
- Enhanced platform security by utilizing cryptographic techniques to prevent fraud and unauthorized access.

## Awards

### Achievements & Participation

- Gained hands-on experience participating in the 36-hour Foss Hackathon, Shivamogga.
- Coordinated the three-round "Debugging" competition at DIGITISE, a college hackathon.
- Successfully completed the intensive 24-hour amBITion24 Hackathon, Bangalore.

## Education

### Adichunchanagiri Institute of Technology

2021 - present

Bachelor of Engineering in Information Science and Engineering

CGPA :8.6