

# Veerraj Chitragar

Passionate about coding with strong problem-solving and debugging skills. A quick-Learner with great leadership qualities. My hobbies include watching sci-fi web-series, listening to music, reading about hindu mythology and gaming.

## Education

**KLE Technological University Hubballi-580031** Nov 2022 - present  
*BE in Computer Science and Engineering*  
CGPA: 9.31 (Aggregate).

## Projects

### Yatri-Nivas: Hotel Management System using OOPs

[github](#)

- Designed a system utilizing inheritance and relationships to manage food orders, room bookings, and user feedback.
- Implemented efficient exception handling and automated bill generation based on bookings and orders.

### Spam Email Detector: DSA

[github](#)

- Built an application leveraging Data Structures concepts to classify emails as spam or ham.
- Efficiently categorized emails based on the sender's address and detected spam-related keywords.

### Smart Surveillance: Ensuring Women's Safety Using Deep-Learning Algorithms

[github](#)

- Developed a system to monitor and classify a person's actions as violent or non-violent.
- Integrated gender identification in surveillance footage and emotion recognition to detect distress or involvement in violence.
- Implemented an alert mechanism to notify a Telegram chatbot when violence is detected.

### CFD based blood flow simulation in microfluidic device

[report](#)

- Designed various microfluidic devices inspired by research on different microfluidic systems, with a focus on arterial models.
- Created a 2D model for the initial simulation of non-Newtonian blood flow, yielding approximate velocity and pressure values.
- Developed a 3D Dean-Serpentine model, where simulations provided improved results compared to the 2D model, particularly in regions of arterial narrowing and bulging, using the microfluidic device as a reference.


### BooBooToons: Backend web-page for kids streaming platform

[github](#)

- Developed a web page for seamless user control over movie and TV show content.
- Enabled efficient addition and removal of movies and TV shows, along with server session management.

## Contact

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## Skills

### Languages

- C/C++
- Java
- SQL
- Python
- JavaScript

### Tools/Software

- Microsoft Visual Studio
- Jupyter
- Google Collab
- Anaconda
- COMSOL

### It Constructs

- DSA
- OOPS
- OS
- DBMS
- CN

### Certification/Short Courses

- Problem Solving
- Python
- Java
- Introduction to Agile Methodology.
- Overview of Agile and Devops Infosys SpringBoard.
- Continuous Integration and Delivery- Devops.
- Introduction to Continuous Testing in Devops.

## Achievements

- Received the Best Paper Award at the IUCEE Conference 2024 for the paper titled "Cross-Cultural Communication."