# VAISHNAVI

📞 9380244522 | ✉ thv.bhat@gmail.com | 🔗 LinkedIn | ⑂ GitHub

## EDUCATION

**B.Tech, Computer Science**                                            Sep 2020 – Jun 2024
*Presidency University, Bangalore, India, CGPA: 9.42*

**Higher Secondary, Science (CBSE)**                                    Apr 2018 – Apr 2020
*Army Public School, K Kamraj Road, Bangalore, India, CGPA: 8.6*

## TECHNICAL SKILLS

**Languages**: Python, C, Java, SQL, JavaScript, HTML/CSS
**Frameworks**: Sass, Bootstrap, Tailwind CSS
**Libraries**: React, Pandas, NumPy, Matplotlib
**Developer Tools**: Git, VS Code, Visual Studio, PyCharm, Eclipse, Jupyter Notebook, Codeblocks
**Soft Skills**: Solution-oriented, Public Speaking, Versatility, Collaborative Thinking

## RELEVANT COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Computer Networks
- Database Management Systems
- Operating Systems
- Data Science Fundamentals

## PROJECTS

**Fetal Distress Classification based on Cardiotocography**              Jan 2024 – May 2024
- Engineered an automated system for fetal distress detection using Fetal Heart Rate and Uterine Contractions.
- Implemented a CNN model, which achieved 98.3% accuracy through data augmentation techniques.

**Music Genre Classification using Machine Learning Algorithms**        Oct 2023 – Dec 2023
- Developed and evaluated various machine learning models for music genre classification, identifying Random Forest as the optimal algorithm.
- Extracted MFCCs from the GTZAN dataset to enhance the accuracy and efficiency of the classification process.

**Zomato Clone (Frontend)**                                             Sep 2023 – Oct 2023
- Constructed a Zomato UI clone, prioritizing a user-friendly interface and optimizing key design elements.
- Integrated dynamic components and state management to ensure a seamless and interactive user experience.

**IPL Score Predictor**                                                 May 2023 – Sep 2023
- Developed a Deep Learning model using TensorFlow to predict IPL match scores based on historical data analysis.
- Built an interactive user interface with ipywidgets to enable real-time score predictions based on dynamic team data input.

**Zerodha Clone (Frontend)**                                            Sep 2022 – Oct 2022
- Replicated the Zerodha home page UI with pixel-perfect accuracy, ensuring adherence to the original design specifications.
- Maintained a consistent and seamless user experience through meticulous styling and layout implementation.

## LEADERSHIP/ EXTRACURRICULARS

**Technical Head**                                                      Sep 2022 – Dec 2022
*Omega Club*
- Spearheaded the planning and execution of campus hackathons in collaboration with HackerRank, attracting hundreds of participants.
- Directed a team of 6 developers, facilitating strategic problem-solving and ensuring efficient execution during hackathon events.

## CERTIFICATIONS

MTA: Introduction to Programming Using HTML and CSS – **Microsoft**

CS50: CS50's Introduction to Programming with Python - **CS50**

NPTEL Privacy and Security in Online Social Media - **NPTEL, IIIT Hyderabad**