

# VAISHNAVI

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## EDUCATION

### Presidency University

Bachelor of Technology in Computer Science and Engineering

Sep 2020 - Jun 2024

CGPA : 9.42

### Army Public School

Higher Secondary, Science (CBSE)

Apr 2018 - Apr 2020

CGPA : 8.62

## RELEVANT COURSEWORK

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

## PROJECTS

### Fetal Distress Classification using Deep Learning | Python, Tensorflow, Keras, CNN

- Developed an automated system for fetal distress detection using Fetal Heart Rate and Uterine Contractions.
- Implemented CNN model that achieved 98.3% accuracy using techniques such as data augmentation.

### Music Genre Classification | Python, Pandas, NumPy, Librosa, KNN, Random Forest, Logistic Regression

- Implemented machine learning models for genre classification, achieved optimal performance with Random Forest.
- Extracted audio features like MFCCs from the GTZAN dataset to improve classification accuracy and efficiency.

### Loan Approval Prediction | Python, Pandas, NumPY, KNN, Random Forest, Logistic Regression

- Built loan approval model using KNN, Random Forest, and Logistic Regression, achieving 82.5% accuracy.
- Preprocessed loan dataset by handling missing values, encoding categories, for model optimization.

### Zomato Clone (Frontend) | HTML, CSS, JavaScript

- Developed a responsive Zomato home page UI clone, accurately replicating the original design and layout.
- Ensured pixel-perfect styling and maintaining a seamless user experience across all devices.

### Zerodha Clone (Frontend) | HTML, CSS, JavaScript

- Created a Zerodha UI clone, replicating its modern design and user-friendly interface with attention to detail.
- Implemented dynamic and interactive dashboard components, ensuring a smooth and interactive user experience.

## TECHNICAL SKILLS

**Languages:** C, Python, Java, HTML, CSS, JavaScript, SQL

**Frameworks:** Sass, Bootstrap, Tailwind CSS

**Developer Tools:** Git, GitHub, VS Code, Visual Studio, PyCharm, Eclipse, Jupyter Notebook, Codeblocks

**Libraries:** React, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow

**Soft Skills:** Solution-oriented, Public Speaking, Versatility, Collaborative Thinking

## LEADERSHIP/ EXTRACURRICULARS

### Technical Head

Sep 2022 – Dec 2022

Omega Club

- Led and organized campus hackathons in collaboration with HackerRank, attracting hundreds of participants.
- Managed a team of 6 developers to facilitate strategic execution and problem-solving during hackathons.

## CERTIFICATIONS

Introduction to Programming Using HTML and CSS - [Microsoft](#)

Introduction to Programming with Python - [CS50](#)

Privacy and Security in Online Social Media - [NPTEL, IIIT Hyderabad](#)

## ACHIEVEMENTS

**Silver Medal (Distinction)** - NPTEL Examination - Privacy and Security in Online Social Media (IIIT Hyderabad)

**Ranked 2nd** in the Computer Science and Engineering department at the university for academic performance.