Vaishnavi

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EDUCATION

Presidency University   Sep 2020 - Jun 2024
Bachelor of Technology in Computer Science and Engineering   *CGPA : 9.42*

Army Public School   Apr 2018 - Apr 2020
Higher Secondary, Science (CBSE)   *CGPA : 8.62*

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Computer Networks
- Database Management Systems
- Operating Systems
- Machine Learning

PROJECTS

Fetal Distress Classification based on Cardiotocography | *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.

Zomato Clone (Frontend) | *HTML, CSS*
- Built a Zomato UI clone focusing on a user-friendly interface and optimizing key design elements.
- Implemented dynamic components, ensuring a smooth and interactive user experience.

IPL Score Predictor | *Python, Pandas, NumPy, Keras, TensorFlow, Scikit-Learn, Matplotlib, ipywidgets*
- Developed a Deep Learning model using TensorFlow to predict IPL match scores based on historical data.
- Built an interactive user interface with ipywidgets for real-time score predictions based on team data.

Zerodha Clone (Frontend) | *HTML, CSS*
- Developed a Zerodha home page UI clone, accurately replicating the original design and layout.
- Ensured pixel-perfect styling and maintaining a seamless user experience.

TECHNICAL SKILLS

Languages: Python, C, Java, SQL, JavaScript, HTML, CSS
Frameworks: Sass, Bootstrap, Tailwind CSS
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Jupyter Notebook, Codeblocks
Libraries: Pandas, NumPy, Matplotlib, PyTorch, 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

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

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

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