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Education

PES University | *B Tech Computer Science 8.58 Cgpa*

Expected May 2025

SRI CHAITANYA PU (CBSE) | *PCMC 93.2*

2019-2021

SRI CHAITANYA TECHNO (CBSE) | *95.8/100*

2019

Projects

GAN BASED SYNTHETIC MRI IMAGE GENERATION | *MSG GAN,DC GAN,PYTORCH,PYTHON*

- Data set augmentation of brain mri images in and classifying them into 4 categories
- Used MSG(multi scale gradient) gan and DC(deep convolutional) gan to generate images using nearly 8000 images
- Optimised loss functions which gave better images for both generator and discriminator
- Used CNN to classify the images into 4 categories of diseases

BACKUP SERVICE | *DOCKER,KUBERNETES*

- Developed a backup service using docker, kubernetes and google drive api for periodic backups
- Ensured efficient and secure non duplicate backup using google cronjob

E COMMERCE WEBSITE | *DOCKER,KUBERNETES,REACT,POSTMAN*

- Developed microservices for user login, product browsing, product landing, and payment.
- Utilized RESTful APIs (Postman) for microservice communication, and created Docker images for each microservice, deploying them on Kubernetes.

STOCK PORTFOLIO MANAGEMENT | *Flask,MySQL,python,jinja template*

- Developed a stock portfolio management system that allows users to track, analyze, and manage their investments.
- Ensured smooth collaboration by distributing tasks based on strengths and project needs.
- Designed the MySQL database schema, integrating it with Flask using mysql.connector.
- Utilized Jinja templates for dynamic HTML rendering, enhancing user experience with real-time updates.

MEDICAL CHAT BOT | *HTML,CSS, Pinecone, HuggingFaceAPI*

- Developed a medical chatbot using an open-source Llama 2 model to provide answers to medical-related questions based on historical data
- Implemented a vector database (Pinecone) to store and manage embedded vectors of medical data for efficient information retrieval
- Designed a system for extracting, ranking, and outputting the most relevant data from the vector database to ensure accurate and contextually appropriate responses

Skills

Languages: C++ / C,Java,Python,JavaScript

Technologies: MySQL,DOCKER,KUBERNETES,GIT,GITHUB,

Concepts:Data Structures and Algorithms,Topics in DeepLearning, DBMS,OOPS,Compiler Design in C, Operating System, Agile Methodology, **Speaking:** Kannada,English,Telugu

Achievements and Hobbies

- Topped KCET with rank 245 with district rank 3
- scored 95.8 percentile in Jee mains
- Stock Markets and Business
- National politics
- Cricket