G.Jaya Bharath

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Dedicated graduate (2023) with strong foundation in computer science and programming. Seeking opportunities to apply my technical knowledge and problem-solving skills in software development. Passionate about creating innovative solutions and contributing to meaningful projects while continuously learning and growing in a dynamic work environment.

Key Skills

- Programming Languages: Python, Java, C++, JavaScript
- Web Technologies: HTML5, CSS3, React.js, Node.js
- Databases: MySQL, MongoDB, PostgreSQL
- Tools & Technologies: Git, Docker, AWS, VS Code
- Soft Skills: Problem Solving, Team Collaboration, Communication, Adaptabilitywork

projects

AI-Powered News Summarization Tool (Gen AI Project)

Title: Intelligent News Analysis and Summarization Platform

Description:
Developed an AI-powered news summarization tool that automatically generates concise summaries from news articles and reports. The system uses natural language processing to extract key information and create coherent summaries while maintaining the original context. Implemented support for multiple news sources and achieved 85% accuracy in summary generation, helping users quickly understand complex news stories.
Skills Used: Python, Natural Language Processing, Transformers, Flask, React.js, News API
Roles and Responsibilities:

- Implemented text extraction and preprocessing for various news formats
- Developed extractive and abstractive summarization algorithms
- Created RESTful APIs for news processing and summary generation
- Built web interface for news article upload and summary display
- Implemented user authentication and news source management
- Conducted extensive testing with different news categories and lengths

Movie Recommendation System (ML Project)

Title: Personalized Movie Recommendation and Analysis Platform

Description:
Built a machine learning system to recommend movies based on user preferences and viewing history. The project analyzes user ratings, movie genres, and viewing patterns to provide personalized recommendations. Implemented collaborative filtering and content-based approaches to achieve 82% user satisfaction in movie recommendations, helping users discover new content tailored to their interests.
.Skills Used: Python, Scikit-learn, Pandas, NumPy, SQL, Matplotlib, Jupyter Notebook
Roles and Responsibilities:

- Collected and preprocessed movie and user rating datasets
- Implemented collaborative filtering algorithms for user-based recommendations
- Developed content-based filtering using movie attributes and genres
- Created hybrid recommendation models combining multiple approaches
- Built web interface for movie discovery and recommendation display
- Designed comprehensive dashboard for movie analytics and user insights

Facial Recognition for Criminal Identification

Title: Real-Time Facial Recognition and Tracking System for Criminal Identification

Description:
Designed and implemented a machine learning–based real-time facial recognition system to detect, identify, and track individuals in live video streams with ~75% accuracy. Used Haar Cascade classifiers for face detection and the LBPH (Local Binary Patterns Histograms) algorithm for recognition, developed using Python and OpenCV in PyCharm. Focused on ethical use, privacy-preserving techniques, and compliance with data protection guidelines.
Skills Used:
Python, OpenCV, Machine Learning, LBPH Algorithm, Haar Cascade Classifier, PyCharm, NumPy, Pandas.
Roles and Responsibilities:

- Captured and processed live webcam video for face detection and recognition
- Implemented Haar Cascade classifiers for robust face detection in varying light conditions
- Applied LBPH algorithm for identity matching with high reliability
- Tuned parameters to balance speed and accuracy at ~75% recognition rate
- Conducted model training, dataset preparation, and testing

Roles and Responsibilities

- Assisted in software development and testing activities under senior guidance
- Participated in team meetings and contributed to technical discussions
- Helped maintain code documentation and version control systems
- Supported quality assurance processes and bug tracking
- Collaborated with team members to understand project requirements
- Assisted in database design and optimization activities

Education

K.S.R.M College of Engineering-Y.S.R Kadapa

B.Tech-Computer Science and Engineering

2019-2023

Narayana Jr College-Nellore

Class XII-M.P.C(Mathematics, Physics, And Chemistry)

2017 – 2019

Sri Chaitanya EM School-Y.S.R Kadapa

Class X

2016-2017

Certifications

- Cloud Computing with 55% score ,NPTEL
  10/2022
- Microsoft Certification: Azure AI Fundamentals,
  16/11/2022
  verify.certiport.com: h5JA-4wBm
- Microsoft Certification: Azure Fundamental ,
  20/10/2022
  verify.certiport.com: 4VEa-XMSy
- Full Stack Software Development ,Great Learning
  https://verify.mygreatlearning.com/verify/ UGAIEMSM