Shrikant Sharma

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EDUCATION

VIT Bhopal University
Bachelor's of Computer Science Engineering
CGPA: 8.02/10.0
Emmanuel Mission School
Completed 10th with 81%
Children Public School
Completed 12th (PCM) with 82%

Technical Skills

Language/Framework/Libraries : C++ , Javascript , Python , Java , SQL ,HTML , CSS, Node.js ,
Express React , CSS , ML
Currently focusing on expanding expertise in Machine Learning And Artificial Intelligence
Databases/Tools: MongoDB , PostgreSQL, Prisma, Mongoose , Docker, Visual Studio Code , Aws Gen AI
Data Structures and Algorithm: Solved 250+ problems of DSA on Leetcode, Hacker Rank, GFG

UNIVERSITY PROJECTS

Chronic disease predictor   Oct 2023

- Developed a comprehensive analysis of seven predictive models, achieving an impressive accuracy rate of 96% in forecasting diabetes and heart-related diseases through advanced machine-learning techniques.
- Evaluated diverse machine learning models including SVM, logistic regression, neural networks, and K-Nearest Neighbors; findings contributed to an enhanced accuracy rate of 96% in predicting diabetes and heart-related diseases.
- Compiled comprehensive findings into a structured research document detailing seven predictive models; this work enabled the identification of critical variables influencing health outcomes while aiding others in similar analytical pursuits.

AI chatbot   Mar 2024

- This project is created by using Python and its libraries the technical skills of the project are
  Voice Recognition Integration, Speech-to-Text Conversion, Text-to-Speech Functionality, Web Automation, Email Automation, Desktop Application Interaction
- Can read the files given by the user
- Developed comprehensive web automation modules using the Wikipedia API and smtplib; enabled efficient retrieval of information from online resources while automating email communications, saving approximately 10 hours per week on manual tasks.
- Project Capabilities: Open specific websites (YouTube, Google), Search Wikipedia, Retrieve current time, Play music, Send emails, Launch desktop applications, Recognize and execute voice commands

Advanced Programming Concepts : Exception Handling , Function Development , Voice Command Processing , Modular Code Design , API Integration

Mindsync: Jul 2024

- Crafted a sophisticated ai driven facial recognition tool that identifies user emotional states with a 90% accuracy rate this innovation has reduced response times by an average of 30 seconds.
- **Technologies/Libraries :** , OpenCV, face_recognition library, NumPy, Python, TensorFlow/Keras (optional for advanced models)
- Project Components: Developed an advanced feature extraction technique that generated over 1,000 unique face encodings from diverse datasets; established an efficient recognition database enabling swift comparisons and matches with a remarkable accuracy rate.
- **Face Recognition Techniques:** Extract facial features, Create face encodings, Build a recognition database, Compare and match faces
- Implemented machine learning algorithms to enhance image processing capabilities, resulting in an improved feature extraction method that increased recognition speed by reducing average match time to under two seconds.

ADDITIONAL

Languages: Fluent in, English, Hindi, Japanese
Certifications & Training: Cloud Computing Certification Completed a 12-week NPTEL course on Cloud Computing, covering cloud infrastructure, services, deployment models, and security.
Soft Skills : Analytical , Adaptable, Collaborator , Leader , polished communicator