**Major Project Ideas**

Here's a classification of the listed projects based on their use of AI/ML/DL technologies:

1. Advanced QR Print Device and Deployment: Not explicitly AI/ML/DL.

2. Health Guardian: Detecting Pneumonia and Breast Cancer: ML/DL for medical image analysis.

3. Image Based Steganography web application: Not explicitly AI/ML/DL.

4. Smart Crop Recommendation App: ML for recommendation system.

5. Research on Parkinson's FOG Prediction: ML/DL for predictive analysis.

6. AI Powered People Detection & Recording Web App: ML/DL for image recognition.

7. Tactical Strategy Planning Bot v.2: ML for decision-making algorithms.

8. Chatbot of custom data using LLM: ML/NLP for chatbot development.

9. Study Notion (an ed-tech platform): Not explicitly AI/ML/DL.

10. Tomato Leaf Disease Detection Using Deep Learning: DL for image classification.

11. Data Visualization on heart disease using ML: ML for data analysis and visualization.

12. Reactive Native Copilot: Not explicitly AI/ML/DL.

13. Fake Product Detection Using Blockchain: Not AI/ML/DL, but blockchain-based.

14. Asset Management: Not explicitly AI/ML/DL.

15. SMS Spam filtering: ML/NLP for text classification.

16. Analysis - Halal Certification on Products and Organizations: Not explicitly AI/ML/DL.

17. Vehicle Parking Management System: Not explicitly AI/ML/DL.

18. Hand Sign Recognition System for Hearing Impaired Community: ML/DL for image classification.

19. Ticket Master using blockchain: Not explicitly AI/ML/DL.

20. Multiple Disease Prediction: ML for predictive analysis.

21. Driver Drowsiness Detection System: ML/DL for image analysis.

22. Transaction Management System: Not explicitly AI/ML/DL.

23. Task Manager: Not explicitly AI/ML/DL.

24. Agro Tech: A comprehensive crop disease diagnosis: ML/DL for crop disease diagnosis.

25. Online Examination System: Not explicitly AI/ML/DL.

26. Proxima: AI-Powered Virtual Assistant: ML/NLP for virtual assistant capabilities.

27. Sorting Visualizer: Not explicitly AI/ML/DL.

28. Video Transcript Summarizer: ML/NLP for text summarization.

29. Arduino human following robot: Not explicitly AI/ML/DL.

30. Comparative Analysis of Machine learning Algorithms for Student placement Prediction: ML for predictive analysis.

31. Presentation control using hand gestures: ML/DL for gesture recognition.

32. Implementing knowledge graphs: Not explicitly AI/ML/DL.

In summary, projects involving medical diagnosis, image analysis, text analysis, predictive analytics, and some forms of decision-making utilize AI/ML/DL technologies.

**TECHNOLOGIES USED**

Sure, here's a brief overview of the technologies used for each project:

1. Advanced QR Print Device and Deployment: Utilizes QR code technology for printing and deployment, likely involving IoT and possibly RFID for tracking purposes.

2. Health Guardian: Detecting Pneumonia and Breast Cancer: Utilizes machine learning and possibly deep learning techniques for image analysis to detect pneumonia and breast cancer from medical images.

3. Image Based Steganography Web Application: Involves web development technologies for creating a platform that hides messages within images using steganography techniques.

4. Smart Crop Recommendation App: Incorporates machine learning algorithms to recommend suitable crops based on various factors such as soil type, climate, etc.

5. Research on Parkinson's FOG Prediction: Likely involves data analysis techniques, possibly machine learning, to predict and analyze Freezing of Gait (FOG) in Parkinson's patients.

6. AI-Powered People Detection & Recording Web App: Utilizes computer vision and AI for detecting and recording people, possibly for security or surveillance purposes.

7. Tactical Strategy Planning Bot v.2: Likely involves natural language processing (NLP) and machine learning for developing a bot that assists in tactical strategy planning.

8. Chatbot of Custom Data using LLM: Uses Large Language Models (LLM) for creating a chatbot capable of conversing on custom topics or datasets.

9. Study Notion (an ed-tech platform): Involves web development technologies to create an educational platform, possibly incorporating features like content management, collaboration, and learning management systems.

10. Tomato Leaf Disease Detection Using Deep Learning: Utilizes deep learning techniques for image analysis to detect diseases in tomato plants based on leaf images.

11. Data Visualization on Heart Disease using ML: Utilizes machine learning for data analysis and visualization to understand patterns and factors related to heart disease.

12. Reactive Native Copilot: Likely involves mobile app development using React Native framework for creating a copilot or assistant application.

13. Fake Product Detection Using Blockchain: Incorporates blockchain technology for verifying product authenticity and detecting counterfeit items.

14. Asset Management: Involves software solutions for tracking and managing assets, possibly utilizing IoT devices for asset monitoring.

15. SMS Spam Filtering: Utilizes machine learning algorithms for classifying and filtering spam messages from SMS.

16. Analysis - Halal Certification on Products and Organizations: Involves data analysis techniques for evaluating and ensuring Halal certification compliance in products and organizations.

17. Vehicle Parking Management System: Likely involves IoT for tracking available parking spaces and managing parking facilities.

18. Hand Sign Recognition System for Hearing Impaired Community: Utilizes computer vision and machine learning for recognizing hand signs used by the hearing-impaired community.

19. Ticket Master using Blockchain: Utilizes blockchain for ticket management, ensuring security and transparency in ticket sales and distribution.

20. Multiple Disease Prediction: Involves machine learning techniques for predicting multiple diseases based on various health indicators or parameters.

21. Driver Drowsiness Detection System: Likely utilizes computer vision and machine learning for detecting signs of driver drowsiness to prevent accidents.

22. Transaction Management System: Involves software solutions for managing financial transactions, possibly incorporating features like tracking, authentication, and reporting.

23. Task Manager: Likely involves developing a software application for managing tasks, possibly incorporating features like scheduling, prioritization, and collaboration.

24. Agro Tech: A Comprehensive Crop Disease Diagnosis: Utilizes technology, possibly including IoT and machine learning, for diagnosing crop diseases and providing comprehensive solutions for agriculture.

25. Online Examination System: Involves developing a software platform for conducting examinations online, incorporating features like test creation, administration, and grading.

26. Proxima: AI-Powered Virtual Assistant: Utilizes artificial intelligence for creating a virtual assistant capable of assisting users with various tasks and queries.

27. Sorting Visualizer: Likely involves software development for visualizing sorting algorithms, aiding in understanding their functionality and performance.

28. Video Transcript Summarizer: Utilizes natural language processing for generating summaries of video transcripts, enabling quick understanding of video content.

29. Arduino Human Following Robot: Incorporates Arduino microcontroller technology for developing a robot capable of following humans autonomously.

30. Comparative Analysis of Machine Learning Algorithms for Student Placement Prediction: Involves data analysis and machine learning techniques for comparing the performance of different algorithms in predicting student placement outcomes.

31. Presentation Control Using Hand Gestures: Utilizes computer vision for recognizing hand gestures to control presentations, offering a hands-free interaction method.

32. Implementing Knowledge Graphs: Involves creating knowledge graphs, likely utilizing graph databases and graph theory for organizing and representing knowledge structures.