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Network security challenges and implementation
IoT Solutions for Real World Problems
Network Protocol Implementation
Cyber Security Challenges and Countermeasures.
Configuration of Various Modules using Embedded Programming

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agile software development
clustering in wireless sensor networks
healthcare using AI
Deep learning in healthcare
energy efficiency in sensor network

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Problem Statement 01: Flower Recognition and cassification Using Machine learning algorithm
Problem Statement 02: Lung Cancer Detection using Convolutional Neural Network (CNN)
Problem Statement 03: Skin Cancer Detection using Machine/ Deep learning based architecture
Problem Statement 04: Rice prediction using machine learning algorithm
Problem Statement 05: Multimodal based Brain Tumor Detection and Classification Using machine learning/ Deep Learning technique
Eye diseases detection and classification using Artificial intelligence
Image denoising using Convolution neural network

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Light Electric Vehicle Battery Performance Analysis
Real Time Fire Detection using Image and Video Processing
An Analytical Comparison of Crime Prediction using ML
machine Learning Approaches for waste management
AI based Attendance Monitoring System using ML
Performance Evaluation on Detection od Phi sing Websites using ML
A Smart Forest Fire Detection and Notification System using IoT and ML
Parkinson's Disease Prediction System using ML
AI based Air Quality Monitoring System using ML

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Prediction using Machine learning
AI and healthcare
use of Generative AI in different domain
Use of artificial Intelligence to improve Quality Education
Use of machine learning and air quality monitoring system
machine learning to improve nutritional value of food

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IOT based Human Interaction System
Emerging Technology for Healthcare Delivery
Blockchain based security Applications
AI assisted Emergency Healthcare System
Digital Health Solution using MAchine LEarning/Deep Learning
Solar Energy Forecasting
Smart Waste Management System using Machine Learning
Biodiversity Monitoring using Deep Learning

Air/Water quality Monitoring
Contact: Dr. Sushil Dimri Email: dimri.sushil2@gmail.com **Mobile: 8077147200**
Machine learning Computer graphics Network security Algorithm optimization Modeling and simulations of systems Traffic control and optimization
Contact: Ms. Afsar Jahan Email: afsarjahan.ca@geu.ac.in **Mobile: 9027576208**
Real-time Traffic and Parking Management System AI-Based Handwritten Notes to Text Converter Smart AI-Based Exam Proctoring System AI-Powered Personalized Learning Platform Automated Resume Screening System
Contact: Mr. Jaishankar Bhatt Email: jaishankarbhatt@geu.ac.in **Mobile: 8077915658**
IOT based smart applications using Arduino uno Web Technologies Based Mini Projects Disease Prediction Using Machine Learning Smart health monitoring system IOT based Smart street light system
Contact: Dr. Dinesh C Dobhal Email: dineshdobhal@geu.ac.in **Mobile: 9456744499**
AI based solution for identification of a person using facial data. AI based solution for identification for malicious programs Traffic Pattern Recognition Methods and Applications IoT-Based Vehicle Monitoring and Safety Systems Deep Learning Applications in IoT-Aided Intelligent Transport Systems (ITS)
Contact: Dr. Aditya Joshi Email: adi.joshi@geu.ac.in **Mobile: 9557004416**
Person Re-identification in Computer Vision Panoptic Segmentation in Computer Vision Keypoint Detection in Image using Deep Learning crop yield prediction using machine learning Biodiversity conservation using AI Deep learning in healthcare
Contact: Mr. Mohd Shuaib Email: shuaib.ca@geu.ac.in **Mobile: 9557706428**
Full stack development Lung cancer detection using explainable AI facial expression recognition using explainable AI
Contact: Ms. Shikha Thakur Email: thakurshikha1130@gmail.com **Mobile: 7895932396**
Smart Agriculture and Food Supply Chain Management Decentralized Healthcare Data Management System AI-Based Crime Prediction and Emergency Response System. AI-Powered Personalized Learning & Career Guidance Platform Dark Web Threat Intelligence and Monitoring System
Contact: Ms. Aakriti Singh Email: aakritisingh431@gmail.com **Mobile:**
Smart Home Automation System with Voice Control AI-Powered Chatbot for Mental Health Support Secure File Sharing System Smart Irrigation System Online Data Backup and Restore Service Autonomous Vehicle Detection and Traffic Sign Recognition System Multiplayer Augmented Reality (AR) Strategy Game

Intrusion Detection System Using Machine Learning
Contact: Ms. Swati Pant Email: swatipant.ca@geu.ac.in **Mobile:** 7500057411
Password Strength Analyzer & Auto-Suggester Brainwave Emotion Detection Ransomware Detection Using Behavioral Analysis Cyber Threat Intelligence Dashboard Personalized Study Planner
Contact: Mr. Utsav Kumar   Email: utsavkumar.ca@geu.ac.in **Mobile:** 9576685689
Chat Application with End-to-End Encryption Microservices-based E-commerce Platform Real-time Video Processing and Analysis
Contact: Ms. Rashmi Kanyal Email: rashmikanyal.ca@gmail.com **Mobile**
AI-Based Intrusion Detection System (IDS) for Network Security Web Application Smart Waste Management System Using AI & IoT AI-Based Driver Drowsiness Detection System AI-Based Sign Language Recognition System (sign language gestures into text/audio.) Mobile Application
Contact: Mr. Pratik Kumar Email: pratikkumar.ca@geu.ac.in **Mobile:** 8404941098
AI-Powered Image Captioning Medical Image Analysis Fake News Detection AI Game Player E-commerce Product Recommendation
Contact: Ms. Vikash Kumar Email: vikashkumarpd04@gmail.com **Mobile:** 8678813350
Cotton leaf disease prediction using CNN Disease Prediction Using Machine Learning Web development Enhancing Security in MANETs with Deep Learning-Based Intrusion Detection Plant Species Identification Using Machine Learning
Contact: Ms. Ayushi Dwivedi Email: ayushidwivedi911@gmail.com **Mobile:** 8305281993
AI chatbot Preparing Dashboard using. Power bi/Tableau Sign language prediction using ML Handwritten digit Recognition Heart disease prediction
Contact: Mr. Mukesh Singh Email: mukeshsingh.cse@geu.ac.in **Mobile:** 7990339287
Emerging Technology (Application of AI/ML/DL/GenAI in Education for Interactive Learning) AI-based Personal Assistant for the Visually Impaired Big Data Analytics for Retail Cybersecurity Threat Detection Using Machine Learning Deep Learning for Medical Image Classification Cybersecurity Awareness and Phishing Detection Tool Data Privacy in GenAI Models Augmented Reality for Virtual Shopping Experience AI for Sentiment Analysis on Social Media
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Image Classification with Convolutional Neural Networks (CNNs)
Sentiment Analysis of Social Media Text
Predicting House Prices Using Regression Models
Recommendation System for E-Commerce
Voice Recognition and Speech-to-Text System
Face Recognition for Security Systems
Stock Market Prediction Using Time Series Analysis
Natural Language Processing (NLP) for Text Summarization
Spam Email Detection
Real-Time Object Detection

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Software defined networking: Implement a system to detect and recover from failures in SDN networks by rerouting traffic dynamically.
Online Learning Management System (LMS)
Create a platform where educators can upload courses, manage students, assign homework, and track progress, with features like quizzes and discussions.
Delivery Management system using GPS Vehicle Tracking App
Automobile Driver Drowsiness Detector
ATM system based on biometric (figerprints, eye detectcion.)

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Personalized Recipe Recommendation App Based on Available Ingredients.
Phishing Website Detection Browser Extension.
Smart Plant Watering System with Weather-Based Automation.
AI-Powered Study Planner for Students.
Face-Expression-Based Emoji Keyboard.

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Develop an IoT-enabled smart camera system that uses deep learning (YOLO, Faster R-CNN) to detect traffic violations such as overspeeding, signal jumping, and wrong-way driving in real time.
Implement a smart parking system where IoT cameras detect and classify empty parking spaces using deep learning-based object detection models, providing real-time updates to a mobile app.
Develop an IoT-enabled smart toll system that uses deep learning-based number plate detection to automatically identify vehicles, deduct toll charges, and reduce waiting time at toll booths.
Create a surveillance system that detects stolen or unauthorized vehicles by cross-referencing detected number plates with a police database and sending real-time alerts.
Implement a reinforcement learning-based system that enables autonomous vehicles to make real-time driving decisions by predicting possible collisions using vehicular network data

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Voice recognition and speech to text system
Predicting house prices using regression model
Diabetes prediction system
Face recognition for security systems
Crop yield prediction system
Recommendation system for e commerce
Stock market prediction using time series analysis
Sentiment analysis for social media text
Image classification and convolution neural network