

| ID | Project Title   | Domain               | Technologies  |
|----|---|----------------------|---|
| 1  | LucidTales: Your Dream, Your Story (Generative Storytelling)  | Gen-AI               | Python, Streamlit, Gemini Pro API, DALL-E 3, gTTS                 |
| 2  | LLM-Enhanced Empathetic Service Robot   | Robotics/AI          | Raspberry Pi, Mistral LLM (Ollama), OpenCV, Speech Recognition    |
| 3  | Public Fund Management System Using Blockchain  | Blockchain           | Ethereum, Solidity, IPFS, React.js, Django                        |
| 4  | Secure Blockchain E-Voting System   | Blockchain           | Ganache, Solidity, OpenCV (Face ID), MongoDB                      |
| 5  | Digital Forensic Security Model   | Cybersecurity        | Optimal Key Encryption, RBAC, Python                              |
| 6  | Smart Irrigation & Water Source Monitor (With Dry-Run Protection)   | IoT                  | NodeMCU, Soil Sensor, Ultrasonic, ThingSpeak Cloud                |
| 7  | IoT Temperature Controlled Fan with Human Motion Sensing  | IoT                  | Arduino, PIR Sensor, Temp Sensor, DC Motor, LCD                   |
| 8  | IoT Smart Mushroom Cultivation  | IoT                  | Auto-Misting, Temp/Humidity Sensors, IoT Monitoring               |
| 9  | Intelligent Door Access Control   | IoT/Security         | Arduino, PIR, Metal Detector, Servo Motor                         |
| 10 | Multi-Output Waste Processing   | IoT                  | Waste Segregation Modules, Embedded Systems                       |
| 11 | Automated Diabetic Retinopathy Screening  | Med-Tech             | MATLAB, Image Processing, GUI Design                              |
| 12 | Alzheimer's Disease Detection (3D MRI)  | Med-Tech             | Python, TensorFlow, CNN, SVM, Flask                               |
| 13 | Virtual Voice Assistance (Speech Impaired)  | Med-Tech             | Audio Processing, NLP, Python                                     |
| 14 | Drone Relay Chain Network Simulation  | Telecom              | MATLAB, Wireless Comm Toolbox                                     |
| 15 | 5G mm-Wave Coverage Analysis  | Telecom              | MATLAB, Antenna Toolbox, 5G Toolbox                               |
| 16 | Detection And Classification of Cardiac Arrhythmia Using ML   | ML                   | Python, Flask, Machine Learning-Weighted-KNN, SVM                 |
| 17 | Resume master: AI-Powered Career Suite  | Gen-AI / Career-Tech | Python, Streamlit, NLP , Resume Parsing, LLM API, AWS EC2, SQLite |
| 18 | Deep Learning-Based TIL Scoring in Breast Cancer Histopathology<br>Non-Traditional Classification Methods For Plant-Leaf Dysfunctions | Medical AI           | Python, ResNet-152, ViT, OpenCV, PyTorch                          |
| 19 | Diagnosis<br>IoT Bases Smart Mushroom Cultivation and Disease detection using   | DeepLearning         | Python, Flask, Deeplearning - CNN                                 |
| 20 | Deep learning   | IoT /Deep learning   | IoT,Python,Flask,Deeplearning,OpenCV                              |
| 21 | Foot Step Power Generation using pezio electric sensors   | IoT                  | embedded C,Arduino  |
| 22 | Arduino Obstacle avoiding and Bluetooth control diy car   | IoT                  | Arduino ,sensors  |
| 23 | Line Follower Diy car   | IoT                  | Arduino ,sensors  |
| 24 | Obstacle Avoiding + Line Follower + Object Follower Diy Car   | IoT                  | Arduino ,sensors  |
| 25 | Arduino Smart Irrigation System(Plant watering system)  | IoT                  | Arduino   |
| 26 | Fire and Smoke detection system with alarm  | IoT                  | Arduino   |
| 27 | Live Stock Tracker with Live data and Investment Calculator<br>A Deep-Learning Based Model For Scoring:Tumor Infiltrating             | Python               | Python,Matplotlib   |
| 28 | lymphocytes in breast histopathological cancer images   | Machine Learning     | Open CV,Pytorch,Matplotlib,scikit -image                          |
| 29 | Configurable matrix multiplier  | Verilog              | Verilog   |
| 30 | Rubik's Based Encryption and CNN Based Biometric Authentication   | Machine Learning     | Python,CNN  |
| 31 | Sign Language Detection   | Machine Learning     | Pytho,Deep learning   |
| 32 | Mental Stress Detection   | Machine Learning     | Python,Deep learning  |