



B.Tech MAJOR

Project Ideas/Titles

S.No	Project Title	Description	Domain
1	AI-Based Fraud Detection System	A system that uses machine learning to detect fraudulent activities in financial transactions.	AI/ML
2	Blockchain-Based Voting System	A secure voting system using blockchain technology to ensure transparency and prevent fraud.	Blockchain/Cybersecurity
3	Self-Driving Car Simulation	A simulation project for building a basic self-driving car model using computer vision and AI.	AI/Robotics
4	Online Learning Platform	A platform that offers courses, quizzes, and assessments for e-learning with real-time video support.	Web Development/EduTech
5	Smart Healthcare Monitoring System	A system that monitors patient vitals and sends alerts to healthcare providers in case of abnormal readings.	IoT/Healthcare
6	Augmented Reality (AR) App for Education	An AR app that provides interactive learning experiences in subjects like science and history.	AR/EduTech
7	Cryptocurrency Exchange Platform	A platform for buying, selling, and trading cryptocurrencies with secure transactions.	Blockchain/FinTech
8	Real-Time Traffic Management System	A system that uses real-time traffic data to optimize signal timings and reduce congestion.	IoT/Smart Cities
9	Cloud-Based Data Storage System	A cloud solution for storing and managing large amounts of data with high availability and security.	Cloud Computing
10	IoT-Based Smart Agriculture	An IoT system for monitoring soil moisture, temperature, and crop conditions to optimize farming.	IoT/Agriculture



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S.No	Project Title	Description	Domain
11	AI-Powered Chatbot for Customer Service	A conversational AI that can handle customer inquiries, complaints, and requests automatically.	AI/NLP
12	Online Banking System	A secure and scalable platform for managing bank accounts, transactions, and loans online.	Web Development/FinTech
13	Face Recognition Attendance System	A facial recognition system for tracking attendance in schools and offices.	AI/Computer Vision
14	Machine Learning-Based Stock Prediction	A system that uses machine learning models to predict stock prices based on historical data.	AI/FinTech
15	Smart Home Automation System	A system for controlling lights, temperature, and other home devices remotely through IoT devices.	IoT/Smart Homes
16	Natural Language Processing (NLP) Based Sentiment Analysis	A tool that analyzes user reviews or social media posts to determine sentiment (positive/negative).	AI/NLP
17	Traffic Signal Control System	A system that adjusts traffic signals based on the real-time flow of vehicles using sensors and cameras.	IoT/Smart Cities
18	Automated Resume Screening System	A tool that screens resumes based on job description keywords to shortlist suitable candidates.	AI/HR Tech
19	Real-Time Speech Translation System	A system that translates speech from one language to another in real time.	AI/NLP
20	Autonomous Drone Navigation System	A drone that can navigate autonomously, avoiding obstacles using computer vision and sensors.	Robotics/AI

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S.No	Project Title	Description	Domain
21	E-Commerce Recommendation System	A system that recommends products to users based on their previous browsing and purchase history.	AI/ML
22	Smart Mirror Fitness Application	A mirror integrated with a display that tracks your workout performance and gives feedback in real-time.	IoT/HealthTech
23	Data Encryption and Decryption Tool	A tool that encrypts sensitive data and decrypts it with a secure key to maintain confidentiality.	Cybersecurity
24	Multi-User Online Game	A multiplayer online game where users can play and interact in real-time with others.	Game Development
25	Predictive Maintenance System for Machinery	A system that uses sensors and data analytics to predict when machinery will require maintenance.	IoT/Manufacturing
26	Cloud-Based Document Management System	A cloud platform for storing, sharing, and collaborating on documents in a secure environment.	Cloud Computing
27	Voice Command Smart Home Controller	A voice-controlled system to manage home appliances and settings, such as lights and temperature.	IoT/AI/Smart Homes
28	Smart Traffic Lights System	A system that adjusts traffic light timings based on vehicle density using real-time data collection.	IoT/Smart Cities
29	Automated Test Case Generation Tool	A tool that generates test cases for software testing based on requirements and specifications.	Software Testing
30	Online Collaboration Tool	A platform for real-time collaboration on documents, projects, and communications among teams.	Web Development

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S.No	Project Title	Description	Domain
31	Social Media Sentiment Analysis	A system that analyzes social media posts to understand public opinion and sentiment about a brand or product.	AI/NLP
32	Real-Time Video Streaming Platform	A platform for live video streaming with features like chat, subscriptions, and notifications.	Web Development
33	Cybersecurity Vulnerability Scanner	A system that scans applications or websites for security vulnerabilities and weaknesses.	Cybersecurity
34	Interactive Digital Signage	A system that provides real-time information and advertisements on digital screens using touch or gesture interaction.	IoT/Interactive Media
35	AI-Powered Job Recommendation System	A system that suggests jobs to users based on their qualifications, preferences, and location.	AI/HR Tech
36	Speech-to-Text Application	An app that converts voice to text using speech recognition algorithms.	AI/NLP
37	Real-Time Object Detection System	A computer vision system that identifies and classifies objects in video streams in real-time.	AI/Computer Vision
38	Automated Social Media Post Scheduler	A tool that schedules social media posts across various platforms and analyzes engagement.	Web Development
39	AI-Based Document Scanning and Classification	A system that scans documents, extracts text, and classifies them into categories using machine learning.	AI/NLP/ML
40	Real-Time Data Visualization Dashboard	A web dashboard that provides real-time analytics and visualizations for various data sources.	Data Science/Web Dev

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S.No	Project Title	Description	Domain
41	IoT-Based Smart Parking System	An IoT system that provides real-time parking availability and reservation in urban spaces.	IoT/Smart Cities
42	Mobile Health Monitoring System	A mobile application that tracks and monitors vital health signs such as heart rate, blood pressure, and steps.	Mobile Development/Health
43	AI-Powered Financial Forecasting System	A system that uses AI to predict financial market trends and provide investment advice.	AI/Finance
44	Automated Online Polling System	A web application for creating and managing online polls with automated results and analysis.	Web Development
45	IoT-Based Disaster Management System	A system that uses IoT sensors to detect natural disasters and send alerts to authorities.	IoT/Disaster Management
46	Smart Home Security Camera System	A home security camera system that sends real-time notifications of suspicious activity to the user.	IoT/Smart Homes
47	IoT-Based Smart Water Management	A system that monitors and optimizes water usage in real-time based on weather forecasts and usage patterns.	IoT/Smart Cities
48	Automated Warehouse Management System	A system for managing warehouse operations using robotics and AI to track and manage inventory.	Robotics/IoT
49	Real-Time Collaborative Coding Platform	A platform where multiple users can collaborate in real time to write, test, and debug code.	Web/Software Development
50	Blockchain-Based Supply Chain Management	A system that uses blockchain to track and verify products as they move through the supply chain.	Blockchain/Logistics

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S.No	Project Title	Description	Domain
51	Cloud-Based Image Processing Platform	A platform that allows users to upload and process images in the cloud, utilizing machine learning models.	Cloud Computing/AI
52	Digital Identity Verification System	A secure system for verifying user identities through biometric data, such as fingerprint or facial recognition.	Cybersecurity
53	AI-Based Healthcare Diagnosis System	A system that uses AI to analyze patient data and provide diagnostic suggestions for healthcare providers.	AI/Healthcare
54	Augmented Reality-Based Shopping Experience	An AR app that allows users to try on clothes or view products in 3D before purchasing.	AR/Shopping
55	Drone-Based Delivery System	A system where drones are used to deliver packages within a defined radius.	Robotics/Logistics
56	AI-Powered Resume Builder	A tool that helps users build resumes by suggesting templates and enhancing content using AI.	AI/HR Tech
57	Voice-Based Home Automation System	A voice-activated IoT system that controls home appliances and devices like lights, fans, etc.	IoT/AI/Smart Homes
58	Intelligent Traffic Flow Prediction System	A system that uses real-time data and machine learning to predict and manage traffic flow in busy areas.	AI/Smart Cities
59	Video Content Analysis System	A system that uses AI and computer vision to analyze videos for specific objects, people, or activities.	AI/Computer Vision
60	Blockchain-Based Document Management	A system that uses blockchain to manage and verify digital documents in a decentralized manner.	Blockchain

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S.No	Project Title	Description	Domain
61	Smart City Waste Management System	An IoT system that tracks waste levels in bins and optimizes garbage collection routes.	IoT/Smart Cities
62	Virtual Reality (VR) Therapy App	A VR application that provides therapeutic sessions to help with mental health issues like anxiety or PTSD.	VR/HealthTech
63	Real-Time Collaboration Software	A real-time collaboration software for teams to work on documents, designs, or code with version control.	Web Development/Software
64	Energy Consumption Management System	A system that tracks and analyzes energy usage to provide suggestions for reducing consumption.	IoT/Smart Homes
65	AI-Powered Personal Assistant	An AI chatbot that can manage daily tasks, set reminders, send messages, and handle simple queries.	AI/NLP
66	Automated Video Editing Tool	A tool that uses AI to automatically edit videos by trimming, adding effects, and selecting highlights.	AI/Video Processing
67	Social Media Management Tool	A tool to schedule and analyze social media posts across various platforms with insights on engagement.	Web Development/Marketing
68	Cloud-Based Disaster Recovery Solution	A cloud solution for data backup and recovery in case of system failure or cyber-attacks.	Cloud Computing
69	AI-Based Personalized Learning System	A system that uses AI to adapt learning materials based on a student's performance and learning style.	AI/EduTech
70	Real-Time Sports Score Prediction System	A system that predicts sports scores and outcomes in real-time using machine learning algorithms.	AI/Sports Analytics

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S.No	Project Title	Description	Domain
71	Cloud-Based Collaboration Tool	A cloud platform for teams to collaborate on documents, tasks, and manage projects in real-time.	Web Development/Cloud
72	Intelligent Traffic Surveillance System	A system that uses computer vision to monitor and analyze traffic conditions in real-time.	AI/Computer Vision
73	Predictive Analytics for Healthcare	A system that predicts health issues based on historical patient data and medical records.	AI/Healthcare
74	Gesture Control System for Robotics	A system that uses hand gestures to control a robot, utilizing sensors and computer vision.	Robotics/AI
75	AI-Based Voice Synthesis Tool	A tool that generates human-like voice from text using deep learning techniques.	AI/NLP
76	Deep Learning-Based Image Recognition	A system that uses deep learning models to classify images or detect objects with high accuracy.	AI/Computer Vision
77	Real-Time Natural Disaster Detection System	A system that uses IoT and AI to detect natural disasters like earthquakes, floods, and wildfires.	IoT/Disaster Management
78	Digital Wallet with Cryptocurrency Integration	A digital wallet that supports multiple cryptocurrencies for storing, sending, and receiving payments.	Blockchain/FinTech
79	IoT-Based Smart Air Quality Monitoring System	An IoT system that monitors air quality in real-time and sends alerts for pollution.	IoT/Environment
80	Cloud-Based Game Development Platform	A cloud platform for developing and hosting multiplayer games with scalable resources.	Cloud Computing/Game Dev

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S.No	Project Title	Description	Domain
81	AI-Powered Face Mask Detection System	A system that uses computer vision to detect if people are wearing masks in crowded places.	AI/Computer Vision
82	Automated News Generation System	A system that generates news articles by analyzing data and pulling information from various sources.	AI/NLP
83	Smart Mirror for Health Monitoring	A mirror that displays health information, such as weight, temperature, and heart rate in real-time.	IoT/HealthTech
84	AI-Based Car Insurance Claim System	A system that automates insurance claim processing using AI to verify accidents and assess damages.	AI/Insurance Tech
85	Augmented Reality for Architecture	An AR application that allows architects to view their designs in 3D and make real-time changes.	AR/Architecture
86	Real-Time Document Translation System	A system that provides real-time translation of documents between multiple languages.	AI/NLP
87	AI-Powered Content Censorship Tool	A tool that uses AI to detect inappropriate or harmful content in text, images, and videos.	AI/Cybersecurity
88	IoT-Based Smart Health Band	A wearable IoT device that tracks health metrics like heart rate, steps, and calories burned.	IoT/HealthTech
89	Automated File Organization System	A system that automatically sorts files based on content, type, and category using AI.	AI/File Management
90	Blockchain-Based Decentralized Cloud Storage	A cloud storage system where data is stored across decentralized nodes using blockchain for security.	Blockchain/Cloud Computing

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S.No	Project Title	Description	Domain
91	AI-Based Video Surveillance System	A system that uses AI to monitor and analyze live video streams for security and safety.	AI/Computer Vision
92	Real-Time Facial Emotion Recognition System	A system that detects and recognizes emotions from facial expressions in real-time.	AI/Computer Vision
93	AI-Based Legal Document Analysis Tool	A tool that uses AI to analyze and interpret legal documents, helping lawyers automate routine tasks.	AI/LegalTech
94	AI-Powered Content Creation System	A system that uses AI to generate articles, blogs, or social media posts based on specific keywords.	AI/NLP
95	Blockchain for Intellectual Property Protection	A system using blockchain to verify and protect intellectual property rights.	Blockchain/LegalTech
96	AI-Based Social Media Profile Analyzer	A tool that uses AI to analyze social media profiles for engagement trends, posts, and audience behavior.	AI/Marketing
97	Multi-Language Translation App	An app that allows users to translate text and speech between multiple languages in real-time.	AI/NLP
98	Blockchain-Based Supply Chain Tracker	A platform that tracks products from origin to destination using blockchain for transparency and security.	Blockchain/Logistics
99	Online Marketplace with Escrow System	A platform for buyers and sellers with an escrow system to ensure secure transactions.	Web Development/FinTech
100	AI-Powered Email Filtering System	A system that uses AI to filter and categorize emails based on priority and content.	AI/Email Management

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S.No	Project Title	Description	Domain
101	AI-Based Personal Finance Management System	A system that helps individuals manage their finances by tracking income, expenses, and providing savings tips.	AI/FinTech
102	Predictive Text Application	A system that predicts the next word or phrase based on the user's typing habits.	AI/NLP
103	Computer Vision-Based Gesture Control	A system that uses computer vision to detect hand gestures and translate them into control commands.	AI/Computer Vision
104	Blockchain-Based Digital Identity System	A decentralized system for storing and verifying digital identities using blockchain.	Blockchain/Cybersecurity
105	Intelligent Document Scanning System	A document scanner that automatically categorizes and indexes scanned documents using machine learning.	AI/Document Management
106	IoT-Based Smart Refrigerator	A smart fridge that monitors its contents and sends alerts when items are running low or expiring.	IoT/Smart Homes
107	AI-Based Traffic Accident Prediction System	A system that uses machine learning to predict accident hotspots and suggests safety measures.	AI/Smart Cities
108	Automated Customer Feedback System	A system that collects, analyzes, and responds to customer feedback using NLP.	AI/NLP/Customer Service
109	Real-Time Video Analytics System	A system that performs real-time analysis of video feeds to detect activities or behaviors of interest.	AI/Computer Vision
110	AI-Based Smart Healthcare Advisor	A system that provides health advice based on individual medical history and lifestyle patterns.	AI/Healthcare

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S.No	Project Title	Description	Domain
111	Blockchain-Based Real Estate Platform	A decentralized platform for buying, selling, and leasing properties, ensuring secure transactions.	Blockchain/Real Estate
112	Smart Traffic Management System	An IoT-based system that dynamically manages traffic signals based on real-time traffic conditions.	IoT/Smart Cities
113	Automated Voice Cloning System	A system that uses deep learning to clone voices for applications in entertainment or accessibility.	AI/Voice Processing
114	Virtual Reality-Based Language Learning	A VR app that immerses users in a virtual environment to learn new languages through interactive scenarios.	VR/EduTech
115	AI-Powered Resume Matching System	A system that matches resumes with job descriptions using AI to find the most suitable candidates.	AI/HR Tech
116	Mobile Augmented Reality Game	An AR game that blends real-world locations and virtual objects for an interactive gaming experience.	AR/Game Development
117	Intelligent Traffic Surveillance System	A system that uses computer vision to analyze traffic patterns, detect violations, and optimize road usage.	AI/Computer Vision
118	AI-Powered Chatbot for Healthcare	A chatbot that provides preliminary health advice based on symptoms reported by the user.	AI/Healthcare
119	Smart Mirror with Fitness Analytics	A mirror that provides feedback on your workouts using real-time data and displays performance metrics.	IoT/HealthTech
120	Blockchain-Based Voting System	A secure voting system that uses blockchain to ensure transparency, immutability, and anonymity in elections.	Blockchain/Politics



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S.No	Project Title	Description	Domain
121	Machine Learning-Based Loan Approval System	A system that uses machine learning to assess the eligibility of loan applicants based on their financial history.	AI/FinTech
122	Smart Traffic Light System	A system that uses IoT sensors to adjust the timings of traffic lights based on the current traffic flow.	IoT/Smart Cities
123	IoT-Based Environmental Monitoring System	A system that monitors environmental parameters like air quality, temperature, and humidity in real-time.	IoT/Environment
124	Blockchain-Based Digital Contract System	A platform where users can create, sign, and store digital contracts securely using blockchain technology.	Blockchain/LegalTech
125	AI-Powered Video Editing Tool	A video editing tool that uses AI to automatically cut, edit, and add effects to videos based on user preferences.	AI/Video Processing
126	Cloud-Based Real-Time Analytics Platform	A platform that provides real-time analytics of business or application data stored in the cloud.	Cloud Computing/Data Science
127	Real-Time Sports Match Prediction System	A system that uses data analytics and machine learning to predict the outcomes of sports events.	AI/Sports Analytics
128	Automated Code Review System	A system that automatically reviews code for quality, security, and performance issues.	Software Development
129	Smart Fitness Tracking App	A mobile app that tracks fitness progress, gives workout recommendations, and provides health tips.	Mobile Development/HealthTech
130	Image Captioning System	A system that generates descriptive captions for images using deep learning techniques.	AI/Computer Vision

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S.No	Project Title	Description	Domain
131	Multi-Tenant Web Application	A SaaS platform that supports multiple organizations with segregated data and user permissions.	Web Development
132	AI-Powered Music Recommendation System	A system that recommends music based on user preferences and listening history using machine learning.	AI/Entertainment
133	Voice-Controlled Robot	A robot controlled using voice commands to perform simple tasks such as picking up objects.	Robotics/AI
134	Computer Vision for Disease Detection	A system that uses computer vision techniques to analyze medical images and detect diseases like cancer or tumors.	AI/Healthcare
135	Blockchain-Based Supply Chain Management	A system that uses blockchain to trace products through every stage of the supply chain, ensuring authenticity and reducing fraud.	Blockchain/Logistics
136	Chatbot for Customer Support	A chatbot that automates customer support tasks by answering queries and solving common issues.	AI/NLP/Customer Service
137	Real-Time Weather Monitoring System	A system that monitors and displays weather data in real-time, predicting upcoming weather conditions.	IoT/Environment
138	Cloud-Based Task Management System	A cloud platform for teams to manage tasks, projects, and deadlines collaboratively.	Cloud Computing
139	Cryptocurrency Trading Bot	A bot that automatically buys and sells cryptocurrencies based on market trends and algorithms.	AI/Blockchain/FinTech
140	Smart Home Energy Monitoring System	A system that monitors energy usage across multiple devices in the home, offering suggestions for energy savings.	IoT/Smart Homes

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S.No	Project Title	Description	Domain
141	Digital Twin for Manufacturing Systems	A system that creates a virtual model of a physical manufacturing process for real-time monitoring and optimization.	IoT/Manufacturing
142	AI-Based Traffic Violation Detection	A system that detects and reports traffic violations like speeding or running red lights using cameras and AI.	AI/Smart Cities
143	Virtual Classroom Management System	An online platform for managing virtual classrooms, including video streaming, student interaction, and assignment submission.	EduTech/Web Development
144	Blockchain for Intellectual Property Protection	A platform that uses blockchain technology to protect and verify intellectual property.	Blockchain/LegalTech
145	AI-Powered Smart Personal Assistant	A personal assistant app that performs tasks like scheduling, reminders, and internet searches using natural language processing.	AI/NLP/Smart Homes
146	AI-Based Cyber Attack Detection System	A system that uses machine learning to detect and prevent cyber-attacks in real-time.	Cybersecurity/AI
147	Blockchain-Based Loyalty Program	A loyalty program where customers earn tokens through blockchain technology for purchases and engagement.	Blockchain/FinTech
148	Real-Time Health Data Analysis System	A system that analyzes real-time health data from IoT devices to detect health abnormalities and send alerts.	IoT/Healthcare
149	Smart Water Leak Detection System	An IoT-based system that detects leaks in water pipes and sends alerts to prevent water wastage.	IoT/Smart Cities
150	Online Auction System	A web platform that allows users to participate in real-time online auctions for products and services.	Web Development



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