

MVK Solutions - Master Project Portfolio

1. Recharge & Bill Payments

-> Mobile, DTH, electricity recharges with UPI, AI bill reminders, group recharges.

2. Food Ordering & Delivery

-> Menu browsing, smart recommendations, live tracking, loyalty rewards.

3. Movie Ticket Booking

-> Dynamic seat booking, movie reviews, offers, and blockchain ticket verification.

4. Travel Bookings

-> Bus, train, flight, metro booking with dynamic pricing and AI route suggestions.

5. Temple Booking

-> Darshan slot booking, queue status, donation management, and prasad delivery.

6. Grocery Delivery

-> Hyperlocal search, auto reordering, discount engine, and live delivery tracking.

7. Cab & Bike Rides

-> Cab/bike booking with live location, driver verification, and panic button.

8. Wallet/UPI Integration

-> UPI payments, smart wallet, QR scan, transaction logs, and cashback offers.

9. Location-Based Offers

-> Offers based on location, behavior analytics, and personal shopping assistant.

10. Blockchain Transaction History

-> Immutable transaction logs for full transparency.

11. MCQ Auto Answer Bot

-> Auto-selects MCQ answers via AI APIs, OCR, and automation logic.

12. Voice Learning Mode

-> Reads questions with emotion, narrates answers, and guides users via voice.

13. Resume Evaluator

-> AI analyzes resumes and provides role-based improvement suggestions.

14. Document Summarizer

-> Summarizes long PDFs/documents with natural language output.

15. PDF Chatbot

-> Ask questions directly to any PDF file using AI.

16. AI Face Attendance

-> Marks attendance with face detection and logs in real time.

17. Voice Agent with Emotions

-> Voice bot with emotional tone, replies, and commands.

18. Image Caption Generator

-> AI generates smart captions for uploaded images.

19. AI Customer Chatbot

-> Smart chatbot with context memory, multi-language, and support automation.

20. Finance Assistant

-> Manages expenses, predicts spending, and gives investment tips.

21. MVK Company Website

-> Multi-page branded site with project list, contact, and admin panel.

22. LMS Platform

-> Student/teacher dashboard, assignments, results, and live classes.

23. Real-Time Chat App

-> WebSocket chat system with typing indicators, delivery ticks, and status.

24. E-Commerce Platform

-> Product listings, cart, payment gateway, and admin panel.

25. Markdown Blog System

-> Blog CMS with markdown support and admin publishing tools.

26. Portfolio Website

-> Personal project showcase with timeline and skill charts.

27. Super App Landing Page

-> Animated splash, service cards, testimonials, and contact forms.

28. Task Board

-> Kanban board for task management, drag-and-drop, and priorities.

29. Weather App

-> Fetches live weather using OpenWeather API with city-based search.

30. Hotel Booking

-> Room availability, pricing, and date-based bookings with payment integration.

31. CI/CD Pipeline

-> Auto build, test, and deploy using GitHub Actions and Docker.

32. Kubernetes Deployment

-> MVK microservices with autoscaling and load balancing on K8s.

33. Log Monitoring (ELK)

-> ElasticSearch + Logstash + Kibana for centralized logging.

34. Cloud Cost Estimator

-> Estimates and compares AWS, Azure, and GCP costs for apps.

35. Auto DB Backup

-> Schedules and stores secure database backups in cloud.

36. Serverless Microservices

-> Deploys API functions using AWS Lambda with gateway triggers.

37. API Gateway + Rate Limit

-> Gateway to manage microservices with throttling and monitoring.

38. Database Version Control

-> Schema versioning tool using Liquibase or Flyway.

39. SaaS Billing & Tracker

-> Monitors SaaS usage and generates bills based on tier plans.

40. Status Page

-> Public system status, uptime monitor, and incident history dashboard.

41. Black Hole Attack Simulation

-> Simulates WSN attack in Contiki OS with Cooja and mitigation test.

42. WSN Secure Algorithm

-> Detects and blocks malicious packets with encryption and node security.

43. Blockchain Voting System

-> Secure, tamper-proof online voting using smart contracts.

44. Finance Tracker (SQL)

-> Tracks income, expenses, and goals using SQL backend.

45. Bus/Train Tracker

-> Live tracking using GPS and route prediction.

46. Dynamic Travel Pricing

-> AI sets travel prices based on demand, distance, and user behavior.

47. Group Recharge Split

-> Splits bills across users and tracks who paid using UPI.

48. AI Health Alert System

-> Alerts for abnormal vitals using wearable data and AI predictions.

49. Web3 Complaint Portal

-> Lets users file tamper-proof complaints using blockchain.

50. Virtual Brain AI

-> Emotion-aware AI that speaks, listens, and makes real-time decisions.

51. Invigilo AI

-> Human-free AI invigilator that monitors, speaks, and controls online exams.

52. MVK Suraksha Grid

-> AI safety system to detect, prevent, and report crimes in real time.

53. AI Crime Brain

-> Predicts future crimes, hotspots, and suspect movement using ML.

54. MVK Trading Bot

-> Auto trades stocks/crypto using AI signals, sentiment analysis, and ML predictions.