

---

COMPANY PROFILE

# Global Business Solutions

*We turn data into intelligent, automated decisions — AI, BI, IoT and cloud, engineered for the way your business actually works.*



## — WHO WE ARE

# A studio that makes businesses data-savvy.

Code Maven Limited helps organizations become more data-savvy through modern analytics — AI, BI, IoT and cloud. No two businesses are identical, so our developers and trainers stay close to your problem and build to fit it.

*Our years in the IT industry show up as flexible, affordable, effective solutions that meet the growing demand for smarter insight.*



## Mission

To lead in innovation and technology — delivering solutions across desktop and mobile, native and web, that strengthen business through automation and intelligent analysis.



## Vision

To transform rows of data into compelling, interactive visual stories — driving automated decisions that improve BI ROI, strategy and customer experience.

— WHAT WE DO

# Services

*End-to-end capability across the full technology lifecycle.*



01

## Software Development

Custom enterprise software, built for your operational model.



02

## Web Development

Modern, responsive platforms and web applications.



03

## App Development

Native and cross-platform iOS and Android apps.



04

## Cloud Solutions

Scalable, secure cloud infrastructure and services.



05

## AI & BI Solutions

Intelligent analytics that turn data into decisions.



06

## Map Service

Location intelligence and geospatial services.



07

## Customized ERP

Tailored ERP to unify and automate operations.



08

## Cyber Security & Audit

Security assessments, audits and system protection.

# Products

*Production-grade software serving multiple industries.*

**01** Sales Force Automation

**02** POS Pharmacy Software

**03** Pharma Sales Automation

**04** HR Software

**05** Expense Management System

**06** Sales & Distribution Mgmt (SDMS)

**07** Homely Farm System

**08** Stability Management Software

**09** ERP

**10** Teachers' Evaluation Software

**11** Education Management (EMS)

**12** Grocery POS Software

— INNOVATION PORTFOLIO

# Seven domains, one capability stack.



9

## Industrial Automation

Batteries, cargo, water, power & factory safety.



12

## Agricultural Automation

Soil, tractors, aquaculture, livestock & air quality.



4

## Retail Automation

Energy, security & chiller monitoring for stores.



8

## Computer Vision / OCR

Plate, prescription & document OCR; detection.



6

## Artificial Intelligence

Surveillance, heatmaps and visual recognition.



45+

## NLP / LLM / Agentic AI

Speech, OCR, assistants and domain LLMs.



15+

## Data Science & Analytics

Forecasting, optimization and predictive insight.

**100+**

*Advanced solutions delivered across industries.*

# IoT & Industrial IoT

*From smart consumer devices to factory-floor sensor networks — end-to-end connected systems.*



## INTERNET OF THINGS

### Smart Connected Devices

Standalone, cloud-connected devices that sense, measure and report in real time — no desktop required. Custom sensors and gateways feeding mobile dashboards.



## INDUSTRIAL IOT

### Factory-Floor Intelligence

Ruggedized sensing and automation for plants, fleets and utilities — integrating with existing machinery to automate operations, ensure safety and optimize energy.



Wi-Fi / GSM connectivity



Custom sensor & meter design



Cloud telemetry & logging



Real-time alerts & push



Predictive monitoring



Automated safety protocols



Machine integration



Energy & efficiency analytics

# Industrial & Agricultural

## Industrial

---

- Wi-Fi battery health checker & intelligent battery monitoring with location tracking
- Cargo truck tracker — runtime, fuel, door status & area events
- AI weighbridge automation with number-plate detection
- Surge guard with real-time detection & automated shutdown
- Water-flow & consumption monitoring
- River-stage & flood-risk early-warning system
- Wearable fetal-movement detection device

## Agricultural

---

- Tractor & harvester smart assistants — GPS, runtime & mapping
- Soil Nutri Scan — pH, humidity, EC, temperature & NPK
- Water Sense — IoT aquaculture water-quality monitoring
- Bull-health & poultry monitoring systems
- Agri Vehicle Finder — SMS-based offline tracking
- On-road air-quality monitoring (PM2.5 / PM10)
- Road-surface condition detection via vibration sensing

# AI, Vision & Language



## Computer Vision & OCR

- Truck plate detection at gates & weighbridges
- Prescription, supply-chain & bank-check OCR
- Pharma invoice OCR & reusable YOLO pipeline
- Intruder, POS-theft & heatmap analytics



## NLP, Speech & LLM

- Bangla & English OCR, ASR and text-to-speech
- SpeechHub & video-to-PDF transcription
- 3D virtual assistant with intelligent chatbot
- Domain LLMs: Crop, Cattle, Poultry, Aqua, Soil



## Agentic AI & HR

- HR hub — CV sorting, JD & PS generation
- Automated AI recruitment & exam evaluation
- Job-posting agents & process optimization
- Call-center agents with sentiment analysis

# Data Science & Analytics

*Forecasts, optimizations and decision support across pharma, retail, agriculture and healthcare.*

**01****Demand & Sales Forecasting**

Field-force NSI prediction, dealer- and model-wise sales, and recommendation forecasting.

**02****Retail Intelligence**

Invoice prediction & basket-analysis engines that personalize the shopping experience.

**03****Geospatial Analysis**

Crop-land and built-area estimation from Sentinel-1 imagery; shortest-path optimization.

**04****Weather & Climate**

Long-term temperature, humidity and rainfall forecasting to manage risk and alert farmers.

**05****Tabular Insight Generation**

LLM-powered insight discovery surfacing trends and patterns in business data.

**06****Healthcare Analytics**

Medical image & report analysis, prescription management and provider discovery.

# Technology Stack

## Back End

Java · Python · Node.js · Perl · Hibernate · ASP.NET · PHP · Spring · Laravel

---

## Front End

React · Vue · Next.js · Bootstrap · TypeScript · HTML5 · Gatsby · Svelte · CSS · Angular

---

## Mobile

Android · Flutter · Swift · React Native

---

## Databases

Oracle · MySQL · MongoDB · IBM DB2

---

# Why Code Maven



## Business Growth

Solutions that scale with you and compound value as you grow.



## Modern Design

Latest technologies matched to real demand and expectations.



## Creative Solutions

We listen, then blend creativity with engineering to fit.



## Market Strategy

Forward-looking strategy that keeps you ahead of legacy.



## Affordable Cost

Flexible, transparent pricing that delivers lasting value.



## 24 × 7 Support

A dedicated team available around the clock.

# Our Clients

*Organizations that rely on Code Maven to deliver smarter solutions.*



# From first call to partnership.

**01****Discover**

We listen to understand goals, constraints and the problem worth solving.

**02****Design**

We architect the solution and map data, interfaces and integrations.

**03****Build**

Agile cycles with working software at every milestone.

**04****Test**

Rigorous QA, security and performance testing before launch.

**05****Deploy**

Smooth rollout across cloud, desktop and mobile.

**06****Support**

24×7 monitoring, iteration and enhancement as you grow.

# By the Numbers

**4+**

## Years in IT

Engineering experience across industries.

**100+**

## Solutions Delivered

Industrial, AI and data-science systems in production.

**20+**

## Software Products

Ready-built platforms serving multiple sectors.

**16+**

## Trusted Clients

Leading organizations partnering with us.

**7**

## Solution Domains

From IoT to agentic AI and analytics.

**24×7**

## Support

Always-on monitoring and assistance.

# Industries We Serve



## Pharmaceuticals

POS, sales automation & OCR



## Retail & FMCG

SDMS, POS & store intelligence



## Agriculture

Smart farming & aquaculture IoT



## Manufacturing

Industrial IoT & automation



## Healthcare

Medical imaging & analytics



## Education

EMS & evaluation systems



## Logistics

Fleet & cargo tracking



## Energy & Utilities

Monitoring & efficiency

# Flexible Engagement Models



## Fixed Project

Defined scope, timeline and cost — ideal for specified builds.



## Dedicated Team

A handpicked squad working as an extension of your team.



## Managed Service

We run and maintain your systems so you can focus on business.



## Product / SaaS

Adopt our ready-built platforms and go live fast.

## WHAT EVERY ENGAGEMENT INCLUDES



Client-Centric



Agile & Fast



Secure by Design



Built to Scale

LET'S TALK

# Let's build something intelligent.

*Partner with Code Maven Limited to turn your data into smarter, automated decisions.*



**HEAD OFFICE**

Mumtaz Mansion, 193/D (5th Floor), M/5/A Culvert Road,  
Fakirapool, Dhaka-1000



**EMAIL**

[info@codemaven.net](mailto:info@codemaven.net)



**CALL US**

+8801810468329 · +8801757615879



**WEBSITE**

[www.codemaven.net](http://www.codemaven.net)

