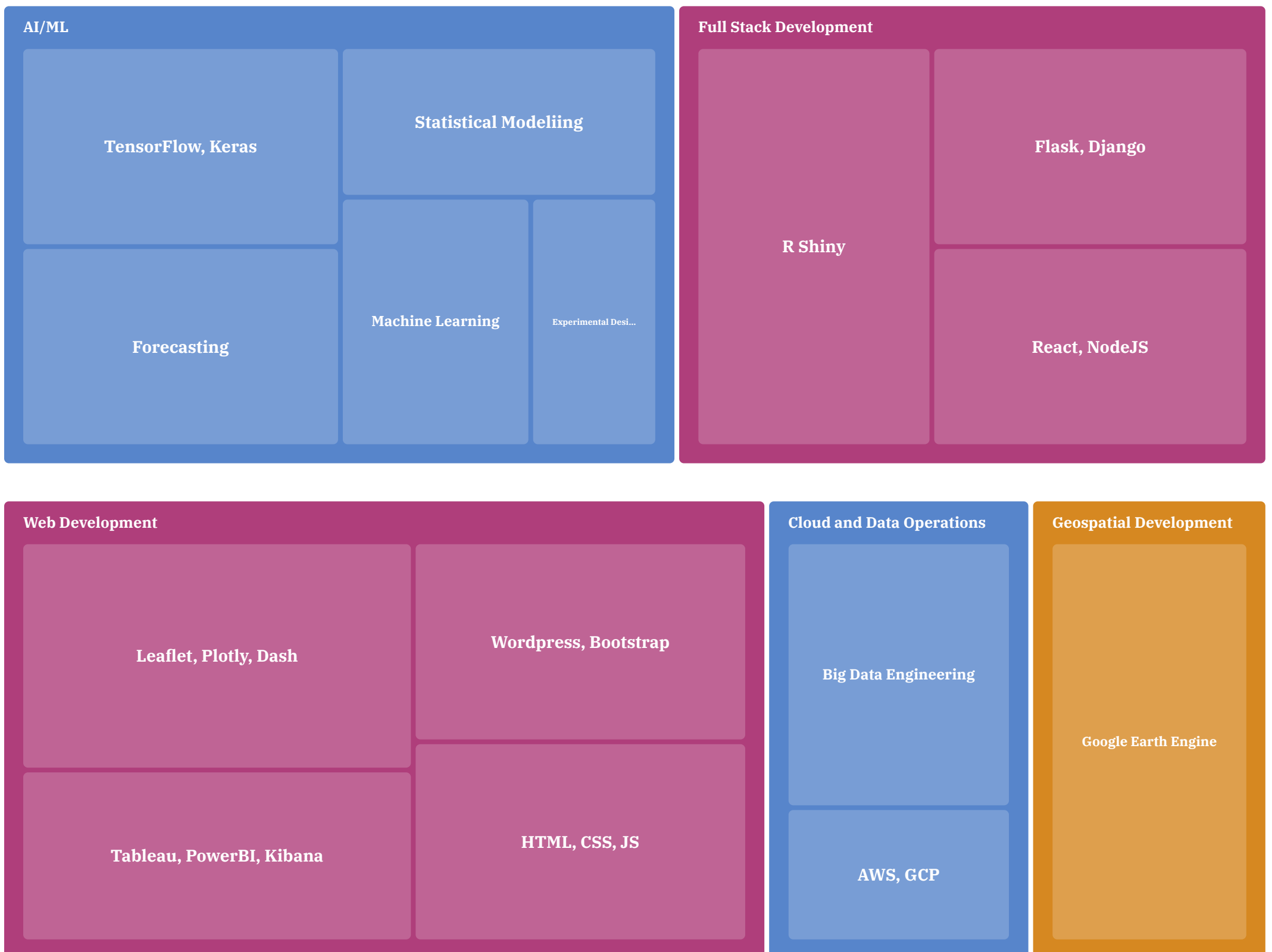# argot nova

Argot Nova, a proudly Woman-owned and Veteran-owned small business, serves clientele across the commercial, non-profit, and public sectors. Our expertise lies in Data Engineering, Machine Learning, Cloud Architecture, Cloud Migration, Search Engine Optimization, Web and Full Stack Development, and Secure Hosting for applications and websites.

At Argot Nova, we are a small, agile team that fosters an open-minded approach to crafting flexible, user-friendly, and accessible solutions tailored to meet the unique needs of our clients. Our methodology prioritizes building sustainable data architectures that combine cloud and local technologies, utilizing open-source tools and lean team structures to create democratic data solutions that are both innovative and easy to maintain. In short, we empower businesses to deliver powerful, user-friendly applications and services using modern digital and cloud architecture.

Capabilities

AI/ML

TensorFlow, Keras

Statistical Modeliing

Forecasting

Machine Learning

Experimental Desi...

Full Stack Development

R Shiny

Flask, Django

React, NodeJS

Web Development

Leaflet, Plotly, Dash

Wordpress, Bootstrap

Tableau, PowerBI, Kibana

HTML, CSS, JS

Cloud and Data Operations

Big Data Engineering

AWS, GCP

Geospatial Development

Google Earth Engine

Company Information

NAICS - 541512, 541511, 541690, 541519, 541930

UEI - E7J2N4CLWVP9

CAGE - 8Z0E3

Location - Richmond, VA, USA

Past Performance

MEACAM - Middle East Anticipatory Climate Action Model

Mercy Corps: Middle East Region Crisis Analysis Team, 2024

Model and Application to predict severe flood and drought events using Google Earth Engine satellite imagery

MERDAH - Middle East Regional Data Analysis Hub

Mercy Corps: Middle East Region Crisis Analysis Team, 2024

Regional application including food price forecasts, market analysis, agricultural analysis, and economic indicators

Life Chapel Site

Life Chapel, 2024

Migrated and hosted Wordpress site using AWS infrastructure, including SEO and Google Analytics integration

Syria Crop Health Monitoring and Agricultural Degradation Module

Mercy Corps: Syria Crisis Analysis Team, 2024

Application that assesses degradation of agricultural land in Syria, change in agricultural indicators over time, and provides imagery using Google Earth Engine satellite imagery

LCAT-IOM Lebanon Displacement Tracker

Mercy Corps: Lebanon Crisis Analysis Team and United Nations International Organization for Migration, 2023-2024

Application to monitor internal migration in Lebanon due to aerial bombardment and other conflict in Lebanon

YMEP - Yemen Markets and Economics Platform

Mercy Corps: Middle East Region Crisis Analysis Team, 2022-2024

Application that combines measures of agricultural health with market-level food price and affordability models and forecasts

LCAT-IOM Daily Food Price Monitoring Application

Mercy Corps: Lebanon Crisis Analysis Team, 2023-2024

Application that scrapes food prices from Lebanese grocery stores, estimates and forecasts food prices as well as Survival Minimum Expenditure Basket (SMEB)

Mali Conflict Web Map

Mercy Corps: Mali Crisis Analysis Team, 2023

Application that combines conflict events with physical and human geography to assist in humanitarian aid program planning