

RUDRAMAN SOOMIRTEE

Portfolio

What I Build

End-to-end AI products, automation systems and scalable SaaS platforms — from idea to live deployment.

Generative AI- Agentic, Multi-Modal,
Tools, MCP, Workflow, Memory and
State

RPA – Power Automate, UI Path

RAG Systems

Oracle ERP – Fusion, R12

Full-Stack Dev

AI SaaS Products - Platform

AWS Cloud – Deployment and
Maintenance

2

Live SaaS Products

10+

AI Projects

5+

Chatbots

LIVE DEPLOYMENTS

Real products. Real users. In production.

Mauritius AI Hub

<https://mauritiushub.com>

AI consultancy & product platform delivering end-to-end AI solutions for Mauritian SMEs, institutions and individuals.

TopKlas — AI Exam Prep

<edu.mauritiushub.com>

AI-powered revision platform for Grade 7 through A-Level students. Aligned to Cambridge SC/HSC syllabuses.

Imperium AI Knowledge Hub

<imperiuml.com/ai-knowledge-hub>

Enterprise AI learning portal for a UK trust & escrow firm. Public-facing with self-serve CMS for legal & compliance verticals.

Imperium Document Intelligence

<imperiuml.com/ai-document-intelligence>

Automated extraction, summarisation & risk-tone analysis of legal and financial documents with structured JSON output.

 [Demo: Video](#)

AI & SOFTWARE PROJECTS

Production-grade AI systems built for real-world impact

PROJ-01

Multimodal Chatbot with RAG

Chatbot that processes and answers questions from videos, images, audio and PDFs using Retrieval-Augmented Generation.

RAG

LLM

Multimodal

[▶ Demo: Document RAG](#)

[▶ Demo: Video RAG](#)

PROJ-02

Descriptive Business Intelligence

Analysed business data 2020–2025 for revenue growth, loyalty and discounts. Built interactive dashboards for leadership decisions.

BI

Dashboards

Analytics

PROJ-03

Purchase Order Data Extraction

System that reads purchase orders in various PDF formats and standardises them into JSON for seamless ERP/business system integration.

OCR

JSON

Automation

AI & SOFTWARE PROJECTS (Continued)

PROJ-05

Intent-Based Chatbot + MCP (Salesforce)

Chatbot that understands intent, retains context and uses Model Context Protocol to securely act on ERP, CRM and custom systems — all on behalf of the user.

Use cases: *Banking · Healthcare · HR & Enterprise · Customer Service*

MCP

CRM

Intent AI

[▶ Watch Demo](#)

PROJ-04/06

Advanced Document Intelligence Platform

Processes large-scale textual content: parliamentary transcripts, regulatory reports, research papers. Combines summarisation, translation and sentiment analysis. Handles model input limits via iterative chunking.

Use cases: *Government · Compliance · Research · Media & Journalism*

NLP

Sentiment

Translation

[▶ Watch Demo](#)

MASTER'S IN AI

*Government
Scholarship*

Combining classical AI algorithms, machine learning, deep learning, big data and NLP.

MSC-AI-01

3D Knight's Tour Solver

Heuristic search to solve the 3D knight's tour problem. Visits every cell on a 3D chessboard exactly once using smart backtracking.

MSC-AI-02

Ant Colony Optimisation (TSP)

Solved the Travelling Salesman Problem using ACO — near-optimal routes within seconds on large city graphs.

MSC-AI-03

Regression & Classification

Predicted football club profits via linear regression. Classified tweets as positive/negative/neutral — GRU models won.

MSC-AI-04

Big Data Gold Forecasting

Studied gold prices 2020–2024 and predicted trends using multiple methods. Large datasets processed with Hadoop.

MSC-AI-05

Neural Nets & Image Classification

Explored learning dynamics & hyperparameter effects. Trained deep learning model for image classification.