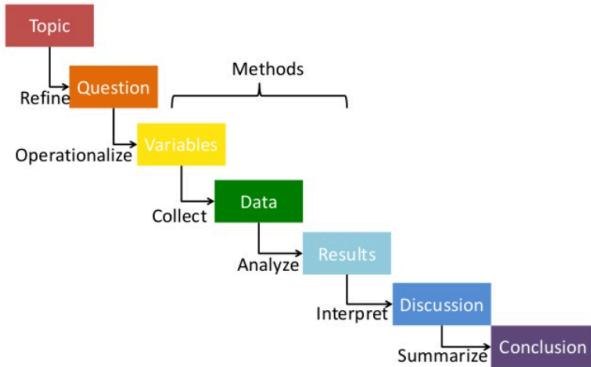


I am a versatile team player eager to contribute a strong computer science, IT, and customer service background toward actively supporting the accomplishment of projects. Skilled in programming (Java, Python, R, Visual Basic), SQL databases, and statistical tools (STATA, SPSS, Power BI, PowerApps), I excel in data analysis, machine learning, and business process development—delivering efficiency and client satisfaction.

Core Skills & Expertise

Research Design



Research & Analysis

Content writing, research projects, data collection.



SQL



Programming

Python, R, Java, SQL, Visual Basic.



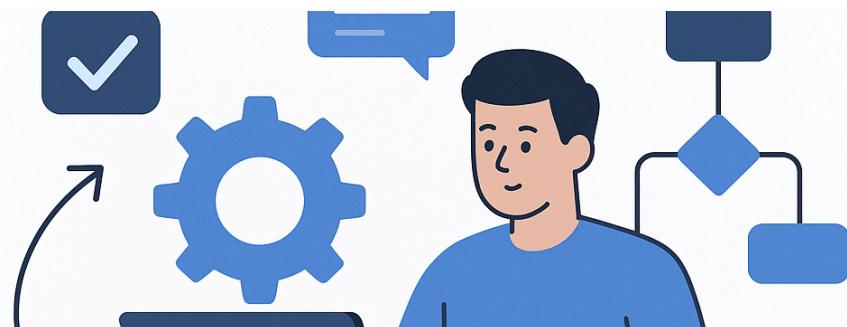
Data Tools

Excel, SPSS, STATA, Tableau, Power BI, PowerApps.



IT & Networking

Database management, technical support.



Business Process Automation

Automating workflows and processes.



Machine Learning & Algorithms

Building models and intelligent systems.

Services Offered

✓ Content & Market Research

- Academic, business & technical writing
- Market and competitor analysis
- Survey design & data collection
- Comprehensive literature reviews

✓ Data Analysis & Visualization

- Statistical analysis (SPSS, STATA, R, Python)
- Data cleaning, preprocessing & transformation
- Machine learning model development
- Interactive dashboards (Power BI, Tableau)

✓ Report Writing & Editing

- Research & technical report drafting
- Proofreading & editing for clarity
- Formatting (APA, MLA, Chicago, Harvard)
- Executive summaries & presentations

✓ IT Application Assistance

- Software installation & troubleshooting
- Database management & optimization (SQL, MySQL)
- End-user training & technical support
- System configuration & upgrades

✓ Business Process Automation

- Workflow automation with PowerApps
- Process analysis & optimization
- Custom scripts (Python, VBA, RPA)
- Integration with enterprise tools

✓ Networking & Technical Support

- LAN/WAN setup and troubleshooting
- System security & firewall configuration
- Hardware installation & maintenance
- Remote and onsite technical support

Portfolio Samples

Research Reports

Correlations

	1. How frequently do you use TikTok on a typical day?	2. On average, how many hours per day do you spend on TikTok?	3. Do you believe TikTok has affected the quality of your social relationships?	4. How satisfied are you with your social relationships since you started using TikTok?	5. Have you experienced any positive outcomes in your social relationships due to your use of TikTok?	6. Have you experienced any negative outcomes in your social relationships due to your use of TikTok?	7. Do you feel that your interactions on TikTok have positively influenced your overall satisfaction levels?	8. How do you perceive the impact of TikTok on your sense of belonging in social circles?	
1. How frequently do you use TikTok on a typical day?	Pearson Correlation	1	.735**	.224**	.390**	.363**	.101	.223**	.41
Sig. (2-tailed)			<.001	.007	<.001	<.001	.225	.007	<1
N	146	146	146	146	146	146	146	146	·
2. On average, how many hours per day do you spend on TikTok?	Pearson Correlation	.735**	1	.218**	.326**	.366**	.150	.317**	.44
Sig. (2-tailed)			<.001	.008	<.001	<.001	.071	<.001	<1
N	146	146	146	146	146	146	146	146	·
3. Do you believe TikTok has affected the quality of your social relationships?	Pearson Correlation	.224**	.218**	1	.001	.122	.350**	.015	·
Sig. (2-tailed)			.007	.008		.995	.143	<.001	.853
N	146	146	146	146	146	146	146	146	·
4. How satisfied are you with your social relationships since you started using TikTok?	Pearson Correlation	.390**	.326**	.001	1	.453**	-.047	.185*	.41
Sig. (2-tailed)			<.001	<.001		<.001	.574	.025	<1
N	146	146	146	146	146	146	146	146	·
5. Have you experienced any positive outcomes in your social relationships due to your use of TikTok?	Pearson Correlation	.363**	.366**	.122	.453**	1	.054	.250**	.41

Fig. 11: Classification Result on Other LoRa Types
Overall accuracy: 88.67%

True Label	0	1	2	3
0	300	5	4	0
1	0	91	30	7
2	6	0	20	72
3	0	1	2	3

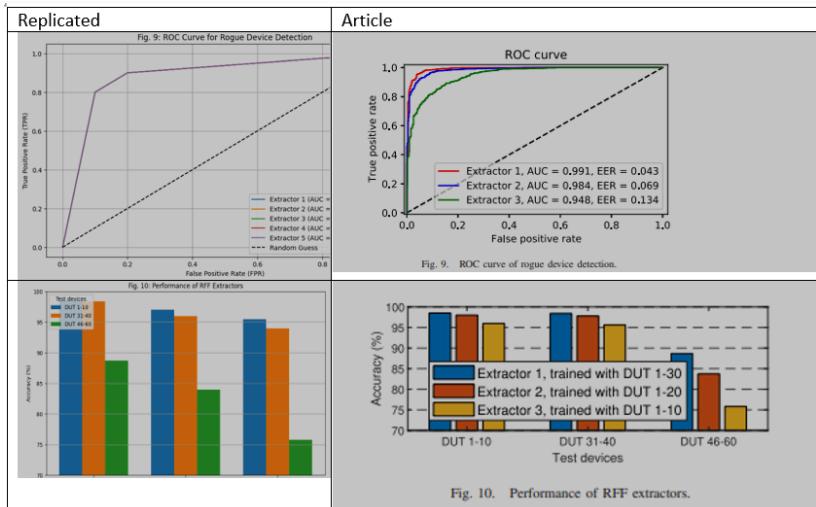
Mbed SX1261 Pycom FiPy Dragino SX1276

True label	0	1	2	3
0	100 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
1	0 96 4 0	0 0 0 0	0 0 0 0	0 0 0 0
2	6 3 91 0	0 0 0 0	0 0 0 0	0 0 0 0
3	0 0 0 100	0 0 0 0	0 0 0 0	0 0 0 0
4	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
5	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
6	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
7	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
8	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
9	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
10	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
11	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
12	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
13	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
14	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
15	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
16	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
17	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
18	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
19	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
20	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
21	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
22	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
23	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
24	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
25	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
26	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
27	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
28	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
29	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
30	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
31	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
32	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
33	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
34	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
35	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
36	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
37	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
38	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
39	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
40	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
41	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
42	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
43	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
44	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
45	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
46	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
47	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
48	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
49	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
50	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
51	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
52	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
53	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
54	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
55	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
56	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
57	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
58	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
59	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
60	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0

Fig. 11. Classification result on other LoRa types, overall accuracy 88.67%.

Fig. 12. Classification results in various channel conditions

Fig. 13. Performance of RFF extractors



Samples of research projects covering social media impact, Article Replication and data analysis.

Data Analysis

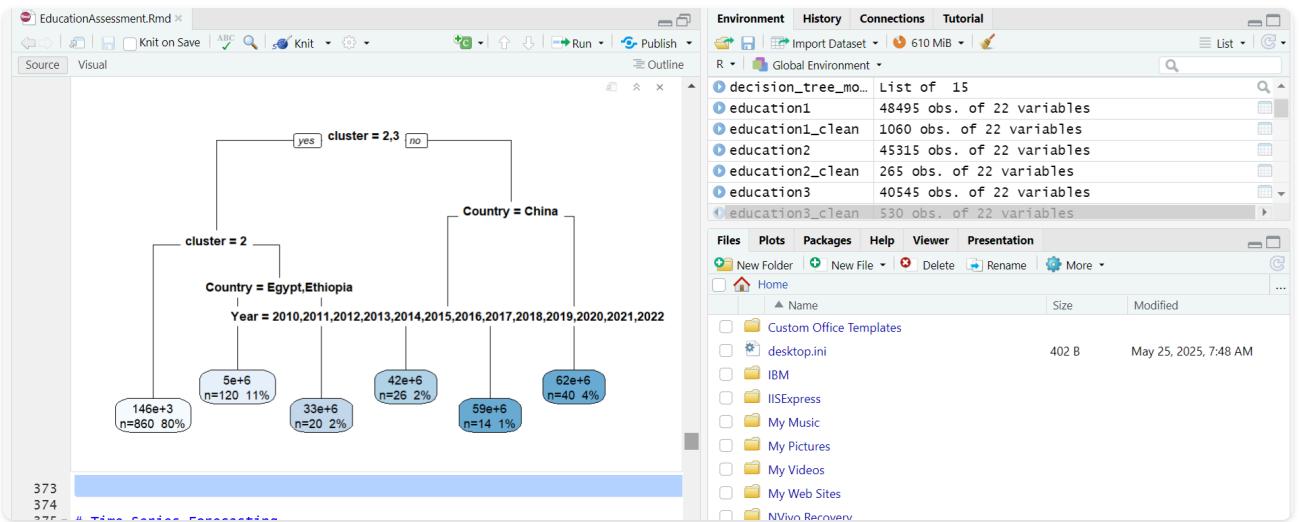
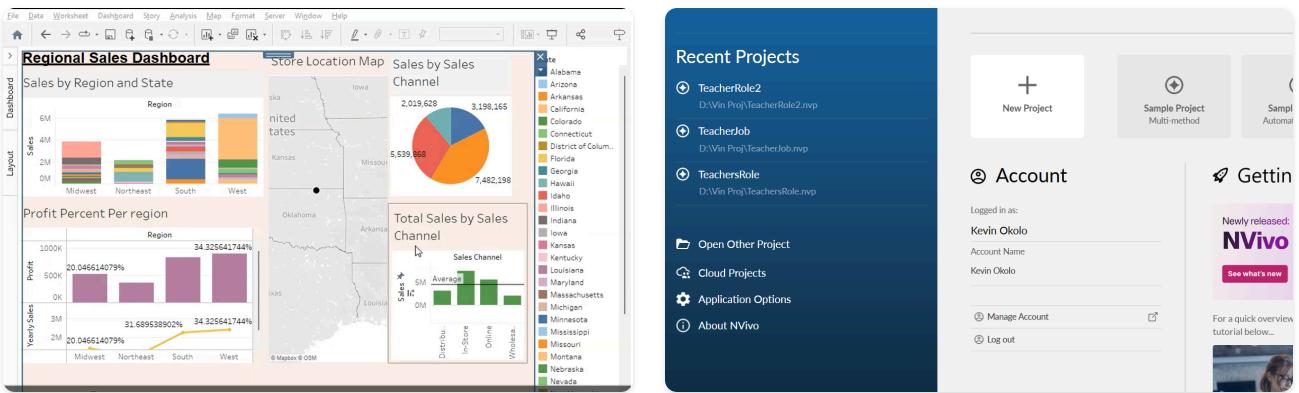
The screenshot shows the Visual Studio 2022 IDE interface. The code editor displays C++ code for the `RiskMitigationFramework`. The terminal window shows the output of a command-line application, indicating the initialization of the Risk Mitigation Framework and listing steps for upload, bias detection, and fairness analysis. The solution explorer on the right shows the project structure for 'RiskMitigationFramework'.

```

Logger.h    RiskRecommender.cpp    RiskRecommender.h    FairnessAnalyzerTests.cpp    BiasDetector.h    BiasDetectorTests.cpp    ReportWriter.h
AdversarialDefense.cpp    AdversarialDefense.h    Interpretability.cpp    Interpretability.h    FairnessAnalyzer.cpp    FairnessAnalyzer.h    BiasDetector.cpp
RiskMitigationFramework.cpp

RiskMitigationFramework
1 #include "BiasDetector.h"
2 #include <fstream>
3 #include <sstream>
4 #include <iostream>
5 #include <algorithm> // for std::sort
6
7 /**
8 * Loads group-based prediction
9 * Only the first two columns (g
10 * filePath Path to the CSV file
11 */
12 void BiasDetector::loadPrediction(
13     std::ifstream& filePath) {
14     if (!filePath.is_open()) {
15         std::cerr << "[ERROR] Fa
16         return;
17 }

```



Data analysis using R, Tableau, SPSS, STATA, and Python for statistical modeling and insights. Showcased data analysis and software development skills through Tableau dashboards, NVivo qualitative analysis, C/C++ and Python projects in Visual Studio 2022, and statistical modeling in R.

IT Project

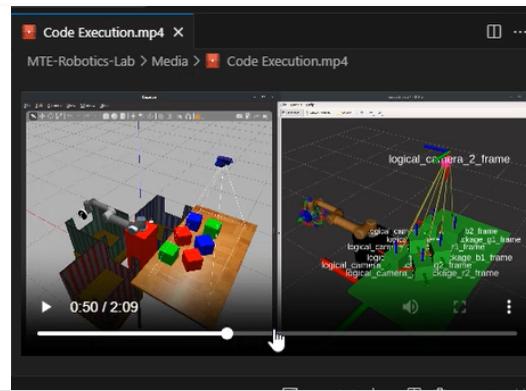
The screenshot shows the MySQL Workbench interface with the following components:

- Navigator:** On the left, it includes sections for MANAGEMENT (Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, Data Import/Restore), INSTANCE (Startup / Shutdown, Server Logs, Options File), PERFORMANCE (Dashboard, Administration, Schemas), and Information.
- Part 1 Implementation***: A tab showing the SQL code for creating the RealEstateDB database and its initial tables.
- Part 2 loading Tables**, **Part 3 Query Tests**, **Part 4- mysql-python***: Other tabs in the interface.
- Output:** A panel at the bottom showing the results of the executed SQL queries.
- Bird's Eye:** A visual representation of the database schema.
- Diagram:** The main workspace where the database schema is designed. It shows entities: sale, propertytype, property, suburb, agent, and view. Relationships are defined between these entities. For example, there is a many-to-many relationship between sale and propertytype, and a one-to-many relationship between suburb and agent.
- Catalog Tree:** Shows the structure of the mydb database, including Tables, Views, and Routine Groups.
- Modeling Additions:** A sidebar showing additional entities: timestamps, user, and category, each with their respective attributes.

Developed a real estate business management framework using SQL for database design, queries, triggers, and stored procedures, integrated with a Python-based interactive GUI for seamless property, client, and sales management..

Automation

The image shows two side-by-side Microsoft Visual Studio Code windows. The left window has a title bar "LLM-PDDL Project" and displays the file "Cliport.py". It contains Python code for generating demos and disconnecting from PyBullet. The right window also has a title bar "LLM-PDDL Project" and displays the file "domain.pddl". It contains PDDL code for planning tasks like "stack_blocks" and "pick-up". Below the code editors is a terminal window with the title "PROBLEMS" showing build logs for "cliport_env". The logs include command-line arguments for starting a physics server and mention "ExampleBrowserThreadFunc started". The bottom status bar indicates "Planning as a service (solver.planning.domains)" and "CMake [Debug]: Ready".



Workflow automation projects developed using LLM-PDDL, Cliport, predicates, GenSim-Generating Robotic Simulation via Large_Language_Models and custom scripts.

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