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**2023FA MS-CISBA CAPSTONE (CIDM-6395-01)**

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| Course | Skills | Strongest | Weakest | Github Examples of Work |
| Data Analytics Course 1 | - Data analysis using Python/R - Statistical analysis - Data visualization | - Data preprocessing and cleaning  - Data visualization (using tools like Tableau) | - Advanced machine learning techniques  - Time-series analysis |  |
| Data Analytics Course 2 | - Regression analysis  - Predictive modeling - Time-series forecasting | - Cluster analysis  - Data interpretation and communication | - Natural Language Processing (NLP) |  |
| Data Mining and Management Course 1 | - SQL querying - Database design  - Data normalization | - SQL querying  - Data normalization | - NoSQL databases  - Database design |  |
| Data Mining and Management Course 2 | - Advanced SQL queries  - Big data technologies  - Data warehousing | Big Data technologies | -Implementing data pipelines |  |
| Systems Development Course 1 | - Object-oriented programming - Software development life cycle | - Design patterns  Software development life cycle | - Creating RESTful APIs  - Unit testing |  |
| Systems Development Course 2 | - Web development (HTML, CSS, JavaScript) - Debugging and troubleshooting | - Continuous integration/continuous deployment (CI/CD) | - Advanced software security practices |  |
| Networking and Cybersecurity Course 1 | - Networking protocols (TCP/IP, DNS, HTTP)  - Network configuration and administration  - Basics of cybersecurity | - Subnetting and IP addressing | - Network penetration testing  - Firewall configurations |  |
| Networking and Cybersecurity Course 2 | - Intrusion detection and prevention systems (IDS/IPS) - Incident response procedures - Security policies and compliance | - Advanced malware analysis  - Digital forensics  Incident response procedures - Security policies and compliance | - Network forensics  - Cryptography and encryption | https://github.com/Jom123410/Fraud-Detection-Algorithm.git |