Dr. Nouhad Rizk

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Expertise

- **Data Science and Data Mining**
  - **Educational Data Mining**
  - **Prediction**
  - **Clustering**
  - **Association rules**
- **Machine Learning**
  - **Supervised and Unsupervised Learning**
  - **Social Network Analysis**
- **Expert Recommendation Systems**
  - **Real-Time Skill Assessment**
  - **Decision Making Designs**

Research Projects

- **Using coding skills to enhance Recruitment and Retention of Women in STEM**
- **Question Asking Strategies for Academic Early Warning Systems**
- **Data science techniques to Improve Academic Performance and Enhance Student Retention**
- **Data Analytics to Maximize Algorithmic Thinking**
- **Finding and evaluating group structure in classroom networks**

Contributions & Impact

- **Developed Machine Learning Models to Predict Student Performance Frameworks**
- **Developed Web-Based Expert System for Evaluating College Course**
- **Designed Performance Prediction and Self-Assessment Systems**
- **Developed Strategies for Academic Early Warning Systems**