**Learning Proposal for Elijah Policape**

**NTAI Data Analytics Training Program**

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**Start Date: October 24, 2022 End Date: January 19,2023**

The NTAI Data Analytics Training Program gives students strong and practical skills-based training and know-how to execute analytical and algorithmic data projects so they can work as Data Analysts and move forward to learn other aspects of data science. Students learn to capture, transform, analyze, visualize, and create reports from complex data sets. They learn to use, design and code software in Python, a very powerful and popular language for coding in data science. They learn SQL for data processing and working with databases. Students bolster their foundations of math, statistics, and programming skills for Data Analytics used to solve everyday business and technical data problems.

This program emphasizes hands-on learning, enhancing essential "hard skills", and practical techniques over abstract theories. Students use, develop, and debug open source software written using Python and Python-based data libraries (Jupyter, Pandas, NumPy, SciPy, matplotlib, Scikit-Learn, and others). Students may also get exposure to commercial data visualization tools such as Tableau, PowerBI, or others used in the workplace. In this entry-level program, students get exposure to modern AI techniques in statistical machine learning and deep learning (neural networks). Graduates leave with skills to help them succeed in exciting new jobs as Data Analysts, and work alongside professional Data Scientists and AI Engineers. With these skills and knowledge, they will be empowered to create the next generation of innovations in intelligent decision making, scientific R&D, marketing, business, finance, and operations.

**Method of Delivery:** The method of instruction and delivery includes on-site classes (in person) or via interactive distance learning technology (e.g., Cisco’s WebEx), and completing all assignments, tasks, labs, and projects.

Graduates will receive a Certificate of Completion in Data Analytics from Network Technology Academy Institute. They will be prepared to take Python Certification Exams from third-party vendors on their own (not included).

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| **Data Analytics: Program Outline** | | | | | |
| **Course Name** | **Length of Course** | **Program Tuition** | **Moses ID #** | **Certification(s)** | |
| Data Analytics | 12 Weeks  (240 Hours) | $6,000 [after all discounts]  Books & Materials Included | 1117506 | Certified Python Associate\*\* | |
|  | | | Clock Hours\* | | |
| **Subjects and Course Numbers** | | | **Lecture** | **Lab** | **Total** |
| Computer Science: COMP01, COMP02, COMP03 | | | 25 | 90 | 115 |
| Data Analytics: DATA01, DATA02, DATA03 | | | 30 | 90 | 120 |
| Accelerated Learning: ACLN01 | | | 5 | 10 | 15 |
| Total Hours | | | 60 | 180 | 240 |
| Lecture to lab ratio may vary up to 20% depending upon instructor’s assessment of students' needs. | | | | | |
| \*\*The certification exam cost $295 additional and will be paid to a third party. | | | | | |
| Note: The program tuition is less than the total of the tuition for the classes taken individually. | | | | | |