**Curriculum Vitae**

**Ivan m**

### **Professional Summary**

Enthusiastic AI and data science student with a strong foundation in machine learning, neural networks, and quantum computing. Passionate about applying advanced computational techniques to solve real-world problems. Adept at developing and optimizing AI models, researching quantum algorithms, and implementing deep learning architectures. Seeking opportunities to leverage my skills in innovative AI-driven projects.

### **Education**

**northampton**

BSc in Artificial Intelligence & Data Science *(Expected Graduation: [Year])*

* Relevant Coursework: Machine Learning, Deep Learning, Quantum Computing, Computer Networks, Algorithm Design

### **Skills & Expertise**

#### **Machine Learning & Neural Networks**

* Supervised & Unsupervised Learning (Regression, Classification, Clustering)
* Deep Learning (CNNs, RNNs, GANs, Transformers)
* Model Optimization & Hyperparameter Tuning
* Computer Vision & Natural Language Processing
* AI Frameworks: TensorFlow, PyTorch, Keras, Scikit-learn

#### **Quantum Computing**

* Quantum Algorithms (Shor’s Algorithm, Grover’s Search)
* Quantum Machine Learning (QML)
* Quantum Gates & Circuits
* Hands-on Experience with IBM Quantum Experience & Qiskit

#### **Programming & Technical Skills**

* Languages: Python, C++, MATLAB
* Cloud Computing: AWS, Google Cloud
* Data Handling: Pandas, NumPy, SQL
* Version Control: Git, GitHub

### **Projects & Research**

**Quantum-Assisted Neural Networks for Optimization**

* Explored the integration of quantum computing with neural networks for enhanced optimization.
* Implemented hybrid quantum-classical models using Qiskit and TensorFlow.

**Deep Learning-Based Image Recognition System**

* Built a CNN model for image classification with TensorFlow and PyTorch.
* Achieved high accuracy in object detection and facial recognition.

**AI-Powered Predictive Real Estate Analysis**

* Developed a machine learning model to predict real estate prices using AI techniques.
* Used Python, Scikit-learn, and Pandas for data preprocessing and model training.

### **Certifications & Courses**

* IBM Quantum Computing Certification
* Deep Learning Specialization – Coursera (Andrew Ng)
* Machine Learning – Stanford University (Andrew Ng)

### **Experience**

**AI & Data Science Intern** | [Company Name] | [Year]

* Assisted in developing machine learning models for predictive analytics.
* Conducted data preprocessing and feature engineering for AI models.
* Implemented neural network architectures for various classification tasks.

**Quantum Computing Research Assistant** | [Institution Name] | [Year]

* Worked on quantum algorithms for optimization and data processing.
* Simulated quantum circuits using Qiskit and explored hybrid models.

### **Achievements & Awards**

* Finalist in [AI/Quantum Computing Competition Name]
* Published research paper on [AI/Quantum Topic] in [Journal/Conference]
* Awarded [Scholarship/Grant] for research in AI and quantum computing

### **Professional Memberships**

* Member of IEEE Computational Intelligence Society
* Member of Quantum Open Source Foundation (QOSF)
* Active participant in Kaggle competitions and AI hackathons

### **Extracurricular Activities**

* Blogging about AI and Quantum Computing advancements.
* Hosting workshops on Machine Learning and Neural Networks.
* Contributing to open-source AI and quantum projects.

### **References**

Available upon request.