



AMIR RAZZAQ

[in](https://www.linkedin.com/in/amirrazaq) [Linkedin.com/in/amirrazaq](https://www.linkedin.com/in/amirrazaq)

✉ amirrazaq@gmail.com

(+33)744241422

Paris, Ile-de-France

Referent Teacher: Prof. Stefano Secci
Referent Contact: stefano.secci@lecnam.net

EDUCATION

Le CNAM, Paris

[Master's in Computer Networks and IoT Systems](#)

2023 -

Paris, France

Bahria University

Bachelor of Science in Computer Science

2016 - 2020

Lahore, Pakistan

RELEVANT COURSEWORK

- Cloud Computing
- Network Security
- Data Encryption and Security
- Network Virtualization
- Artificial Intelligence and Machine learning
- Data Structure and Algorithm
- Ubiquitous Computing
- Computer Systems Modeling Verification
- Software Engineering
- Telecommunication Networking
- Operating Systems & Computer Architecture
- Theory of Automata
- Compiler Construction
- Wireless Networks

EXPERIENCE

PITB Punjab

IT Analyst

March 2021 – Sep 2023

Lahore, Pakistan

- Analyzed data using Python libraries (Pandas, NumPy) to identify trends and patterns, improved by 15%.
- Developed scripts for data cleaning and preprocessing, which reduced manual errors by 25%.
- Created interactive dashboards in Tableau to visualize key performance metrics for operations, enhancing transparency and reporting efficiency.
- Collaborated with teams to define data requirements and streamline data flow across departments.

QSP Ltd

PHP Developer

July 2019 – Aug 2019

Lahore, Pakistan

- Developed and maintained secure PHP code using frameworks like Laravel and CodeIgniter.
- Optimized MySQL and PostgreSQL databases to improve performance, ensuring data integrity and reliability
- Implemented database security measures to protect sensitive information and prevent unauthorized access

CERTIFICATION

- **Machine Learning Operations (Certificate)** Duke University
- **Applied Python Data Engineering (Certificate)** Duke University
- **IBM AI Developer (Certificate)** IBM
- **Microsoft Azure AI Fundamentals AI-900 – (Certificate)** Microsoft
- **Certified Kubernetes Application Developer (CKAD) (Certificate)** LearnKartS
- **Network Automation Engineering Fundamentals Specialization (Certificate)** CISCO

PROJECTS

Simulation and Detection of Denial-of-Service (DoS) Attacks

Developed a project to simulate and detect DoS attacks, log data for analysis, and visualize attacker locations by IP0020

October 2024

CNAM

C-Based Shell for Unix with Enhanced Command Execution

Developed a command-line shell in C for GNU/Linux to execute commands

January 2024

CNAM

Strong Edge Connectivity Computation (SEC)

Implemented an optimization algorithm using Julia to compute SEC and measure network fault resistance.

Feb 2024

CNAM

Artificial Neural Network - Semester Projects

Cat vs Dog identification, Breast cancer identification, Traffic Sign Classification

2016-2020

Bahria University

- **Tools & Technologies:** Python, Libraries (OpenCV, TensorFlow), Kaggle Dataset

SKILLS AND INTEREST

Areas of Interest: Cloud Computing, Cybersecurity, Data Science, Machine Learning, Artificial Intelligence, Automation, 5G Telecommunications Networks, Embedded Systems

Languages & Databases: Python, C++, C, Bash, Git, Julia, MySQL

Developer Tools & Frameworks: Visual Studio, Jupyter, AWS, Microsoft Azure, Google Colab, Docker, Kubernetes

Soft Skills: Communication, Problem-Solving, Critical Thinking, Teamwork, Creativity, Analytical Thinking

Languages Skills: English - Fluent.

VOLUNTEER

Erasmus Youth Exchange – Portugal

IEEE (Event Coordinator) - Bahria University

July 2024

2017 - 2018