

Ahmadou Gaye . Jarvis Consulting

Passionate about technology and mathematics since a young age, I began learning to code as a teenager. Years later, I finally obtained my Bachelor's degree in Applied Computer Sciences to turn my passion into a profession and pursue a career as a bilingual Data Engineer. I have mastered many languages such as SQL, Java, Python, and C++, as well as various advanced algorithms. During my studies, I completed two relevant internships lasting four months each in the software development field, as well as numerous interesting projects at university. Since graduating, I have gained experience in customer service related to fraud in banking. The software development field has always been my primary area of interest and where I aspire to build my career, driven by my passion and the exciting challenges and amazing tools it offers.

Skills

Proficient: Java, C++, Python, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git

Competent: Microsoft office, HTML/CSS, Javascript, Automata Theory, Assembly language, Algebra, Maths

Familiar: Artificial intelligence tools, ML / DL / Computer vision, Visual Basic, Parallel programming, Logic programming, Functional programming

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_AhmadouGaye

Cluster Monitor [GitHub]: Developed using Bash and PSQL languages, encapsulated in Docker containers for shipping and deployment, and all of that in a Unix environment, the Linux cluster monitor collects data about hardware specifications and places it in a database table. It also collects host usage information every minute and puts it in another table in the same database.

Highlighted Projects

Raspberry pi Connectivity monitor: Implemented using a Bash script, the Raspberry Pi connectivity monitor was developed to detect Internet connection issues in real time, ensuring the functionality of the company's client devices at all times. The app periodically checks the device's Internet connection, sends signals when the connection is no longer working, and attempts to troubleshoot it using methods such as deactivating and then reactivating Wi-Fi, switching from Wi-Fi to wired or Bluetooth connections.

Computer Vision project: Developed using Python, OpenCV, and deep learning, it was an academic project at university that involved detecting the presence of a hand through a camera and displaying the number of fingers shown in real time.

Database conception for a university restaurant Web/Mobile app : Designed using SQL, with the MySQL RDBMS and Python, this project involved creating, normalizing, inserting data, and managing the database. The data is inserted using Python scripts that collect data from an Excel file and automatically insert it into the appropriate tables.

Professional Experiences

Data engineer, Jarvis (2024-present): Working in Software Engineering field using the most recent technologies and methodologies in the field

Intern back-end developer, Universite de Moncton (2023): Worked in a four-months internship on my university restaurant website back-end project with a group of four Computer Sciences students and many nutritional sciences students

Intern Software developer, Elumicate Inc. (2022): Worked in a four-month internship on Linux device connectivity monitoring and Artificial Intelligence projects to count objects using YOLO and save data to files.

Education

Universite de Moncton (2018-2023), Bachelor of Applied Sciences, Computer Sciences - 2000\$ recruitment scholarship - 2000\$ scholarship of excellence during 2020 academic year - 1000\$ scholarship of excellence during 2021 academic year - President of the Computer Sciences department Student council - Technical assistant for New Brunswick high schools programming contest in 2022 - GPA: 3.5/4.3

Miscellaneous

- SQL certificate from Test dome
- I like playing soccer in a striker position, scoring goals, and assisting my teammates. I used to play every weekend with some friends.
- I assist in online and in-person EA FC gaming competitions and participate in one of the biggest EA FC online tournaments.
- I used to go to the gym 3 or 4 times a week.