PACILIA COLETTE ABANDA

03046 Cottbus, Germany
abandapacilia@gmail.com / (+49) 17659596597 / github.com/pacicap

SUMMARY

Master's student in Artificial Intelligence at BTU Cottbus-Senftenberg with a strong foundation in machine learning, data analysis, Natural language processing and computer vision. Experienced in training machine learning models, conducting data analysis, and developing AI solutions through academic projects and work experience as a student assistant. Proficient in Python, SQL, and various machine learning frameworks and libraries (TensorFlow, Scikit learn, Pandas, NumPy, Matplotlib, SciPy). Demonstrates excellent problem-solving, communication, and teamwork skills. Actively involved in academic research and committed to contributing innovative solutions in AI.

SKILLS

- Teamwork
- Adaptability
- Communication
- Problem-Solving
- Time Management
- Detail Oriented

- Data Analysis (SQL) and Visualisation
- Programming (Python, Java, R, MATLAB)
- Version Control (Git)
- Project Documentation
- Machine Learning
- Statistical Analysis

- NLP
- Deep Learning
- Cloud (AWS, Google)
- Docker, Kubernetes
- Linux Consol
- CI/CD

EXPERIENCE

Accenture North America Data Analytics and Visualization Job Simulation on Forage   *10/2024*

- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture.
- Cleaned, modelled and analysed 7 datasets to uncover insights into content trends to inform strategic decisions.
- Prepared a PowerPoint and video presentation to share key insights for the client and internal stakeholders.

Student Assistant / Brandenburgische Technische Universität Cottbus - Senftenberg, Cottbus, Germany
02/2024 - 05/2024

- Evaluated Different ML models on motion data, optimizing model accuracy through hyperparameter tuning to find the best model for the data.
- Used Python and Libraries like TensorFlow, Scikit learn, Pandas, NumPy, Matplotlib, Seaborn to analyse and visualise the datasets.
- Employed different augmentation techniques on the datasets to improve model accuracy in movement prediction.
- Prepared reports summarizing research findings and project outcomes.

ICT Network Engineer Intern / Ministry of External Relations - Yaounde, Cameroon   *02/2020 - 05/2020*

- Set-up an ethernet authentication system to ensure reliable and secure LAN connectivity.
- Documented outlining procedure and network audit results to serve as a valuable resource for future maintenance.

ICT Network Administrator Intern / CAMTEL - Direction of Networks, Multimedia, and Systems, - Yaounde, Cameroon
08/2018 - 02/2019

- Developed a platform using Django and python to monitor and report quality of service offered to stakeholders.
- Enhanced network performance through monitoring, reporting and follow-up of network connection failures.

EDUCATION AND TRAINING

Master of Science: Artificial Intelligence   *10/2022 – 03/2025*
Brandenburgische Technische Universität Cottbus - Senftenberg, Cottbus, Germany

Bachelor of Computer Engineering: Network Engineering   *10/2015 - 09/2019*
University of Buea - Buea, Cameroon

LANGUAGES

French: First Language

English: C1   **German:**   B1

Advanced (C1)   Intermediate (B1)

ACCOMPLISHMENTS

LEAD! Leadership for Africa: *University of Cologne*   *Mar 2024*
- Awarded DAAD scholarship with a focus on leadership, development studies, and career training.

VOLUNTEERING

Event Planner   *Jul 2023 – Feb 2024*
Brandenburgische Technische Universität Cottbus - Senftenberg, Cottbus, Germany

Treasurer   *Oct 2021 – Jun 2022*
University Section of CSBF, Yaounde, Cameroon

PROJECTS

Computer Vision   *Cottbus, Germany | Oct 2023 – Mar 2024*
- Developed a deep fake image detection system using Markov Random Fields (MRF) and Gaussian Scale Spaces.

NLP with BERT Models   *Cottbus, Germany | Oct 2023 – Mar 2024*
- Built models for text classification, passage boundary detection, and named-entity recognition using BERT.

Data analysis and Visualisation: *Market Basket Analysis*   *Cottbus, Germany | Oct 2023 – Mar 2024*
- Conducted Analysis on a bakery dataset to identify patterns and trends.
- Generated association rules to understand purchasing behaviours and enhance cross-selling strategies using Seaborn.

BCI Noise Detection   *Cottbus, Germany | Apr 2023 – Sep 2023*
- Automated noise detection and removal in brain signals to improve VR gaming experiences - Python and Matlab.

Database Unification   *Cottbus, Germany | Apr 2023 – Aug 2023*
- Unified and normalized databases using SQL, enhancing data analysis capabilities.

Machine Learning Implementation   *Cottbus, Germany | Oct 2022 – Feb 2023*
- Conducted image segmentation and classification projects using DBSCAN, K-means, SVM, ANN, and KNN algorithms.