

BRUNO ADUL

INFORMATION TECHNOLOGY EXPERT & AI Engineer

KASARANI NA
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0751005348
brunoadul@gmail.com

EXPERIENCE

Center for Epidemiological Modelling and Analysis (CEMA), Nairobi Kenya — Computer Scientist-Intern

June 2024-December 2024

- Designed, implemented, and deployed AI models for income prediction using classification, Clustering And Regression techniques.
- Developed and fine-tuned deep learning models for classification and predictive analytics.
- Built and optimized data pipelines (ETL) for seamless model integration and feature engineering.
- Leveraged predictive analytics to enhance operational efficiency and drive data-driven decision-making.
- Conducted large-scale data queries to extract actionable insights, forecast trends and feature engineering.
- Ensured high-quality datasets for model training by overseeing image annotation processes, exploratory data analysis, Data Cleaning and handling missing values..

Multi-Dimensional Research & Export Organisation, New Delhi — Systems Administrator

November 2023 - January 2024

- Managed internal IT operations and developed dashboards for system monitoring using React and JavaScript.
- Configured and maintained networked systems, ensuring security and system availability.
- Provided hardware maintenance and light repairs to ensure smooth department operations.
- Implemented responsive UI components using CSS frameworks to enhance user experience.

SKILLS

Technical Skills

Programming Languages:

- Python, R, JavaScript, SQL, C++, HTML, CSS

Frameworks & Libraries:

- TensorFlow, PyTorch, Keras
- React, Node.js

Web Development & Software Engineering:

- Frontend: HTML, CSS, JavaScript, React
- Cross-Platform Software Development (Flutter)
- Backend: Node.js, SQL
- API Development & Integration

Data Analysis & Visualization:

- Power BI, Tableau, Looker
- Matplotlib, Seaborn, Plotly
- Pandas, NumPy

Cloud Platforms & Tools:

- AWS (S3, EC2, Lambda, CloudWatch, Kinesis)
- Elastic Stack (Elasticsearch, Logstash, Kibana)

Internshala, New Delhi India — Cyber Security Intern

Jan 2022- April 2022

- Audited web applications for security vulnerabilities and implemented secure coding practices.
- Conducted security assessments to prevent unauthorized access and mitigate vulnerabilities.
- Developed and maintained documentation for cybersecurity protocols and recommendations.

Machine Learning & AI:

- Classification, Regression, Computer Vision, Deep Learning

System Administration:

- Linux (Ubuntu, CentOS, RedHat), Windows Server
- Networking & Server Management

Cybersecurity:

- Threat Analysis, Log Monitoring, Vulnerability Assessment

EDUCATION

Delhi Technological University, New Delhi India — Degree

Bachelor Of Technology Information Technology

PROJECTS

Real Time Detection Of Traffic Offenders In Two Wheeler Vehicles Using Computer Vision — [click this link to view paper](#)

Built a computer vision system for detecting traffic violations in real-time.

Designed and implemented data pipelines and trained advanced models for surveillance footage analysis.

Household Income Prediction Software

Developed a robust machine learning solution to predict household income using six classification models.

Conducted EDA and engineered advanced features for optimal performance.

Deployed and monitored models in real-time to ensure accurate predictions.

Core Skills

- **Incident Management:** Proven ability to troubleshoot and resolve system issues efficiently.
- **Problem-Solving:** Strong analytical skills to identify and address operational challenges.
- **Collaboration:** Effective teamwork and communication skills for seamless collaboration.
- **Attention to Detail:** Ability to handle complex systems and ensure high-quality outputs.
- **Innovation:** Passion for applying technology to solve real-world problems.

SIDE PROJECT

Converting Figma Design To Website — [click this link to view Website](#)

Converted Figma Design to code using HTML,Javascript & CSS.

CERTIFICATIONS



- Web Development
- The Bits and Bytes of Computer



Networking



- Cyber Security



- PHP ,jQuery & HTML

References

1. Dr. [Thumbi Mwangi](#)

Co-Director,
Center for Epidemiological Modeling and Analysis, University of
Nairobi

Email: thumbi.mwangi@uonbi.ac.ke

2.Dr. [Jeanette Dawa](#)

Scientific Manager,
Center for Epidemiological Modeling and Analysis, University of
Nairobi

Email: jeanette.dawa@cema.africa

AWARDS

ICCR Scholarship To Study Bachelor Of
Technology at Delhi Technological
University.

LANGUAGES

Swahili,English



Delhi Technological University
(Formerly Delhi College of Engineering)
Consolidated Result Notification

Visit - <http://exam.dtu.ac.in>

No : 1759

Program : Bachelor of Technology

The following Candidates who appeared in Bachelor of Technology End Semester examinations held in MAY , 2024 have completed the requirement and hence declared to have pass the final examinations.These Candidates have obtained 172 or more credits.

Branch : Information Technology - Department of Information Technology

Sr. No.	Name	Roll No.	Name in Hindi	TC	CGPA
1	BRUNO OMONDI ADUL	2K18/IT038	ब्रुनो ओमोन्डी अडुल	180	6.11

Any discrepancy in the result in *intra* name/roll no/registration should be brought to the notice of COE/Office Acad (U/G/PG) /OIC B.tech(Eve.) within 15 days of declaration of result , in the prescribed proforma.

Date : 08/11/2024

Digitally Signed by Madhukar Cherukuri, OIC(Results)
Valid only if downloaded from <http://exam.dtu.ac.in>

Controller of Examination

Ramaling

1/3



Center for Epidemiological
Modelling and Analysis



UNIVERSITY OF NAIROBI

CERTIFICATE OF ACHIEVEMENT

THIS CERTIFICATE IS AWARDED TO

Bruno Adul

for having completed a 6-month Computer Science Internship

at the University of Nairobi

Center for Epidemiological Modelling and Analysis (CEMA),

in June 2024 - December 2024.

We appreciate his contribution to the work that we do in CEMA.

DR. LOICE OMBABO, MBS
CO-DIRECTOR, CEMA

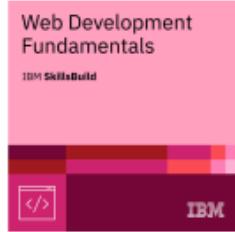
PROF. THUMBI MWANGI, PH.D
CO-DIRECTOR, CEMA



Web Development Fundamentals

ISSUED TO

Bruno Adul



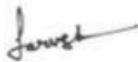
Issued on: 14 JAN 2025 | Issued by: IBM SkillsBuild
Verify: <https://www.credly.com/go/3zMXi6m2>

Certificate of Training

Bruno Adul

from Delhi Technological University has successfully completed an 8-week online training on **Ethical Hacking**. In the training, Bruno learned Basics of Information Security, Computer Networking and Web Development, Information Gathering and VAPT of some important vulnerabilities in the OWASP top 10, Automating VAPT, and Documenting and Reporting Vulnerabilities.

In the final assessment, Bruno scored 72% marks.
We wish Bruno all the best for future endeavours.



Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2021-12-03

Certificate no.: 93E5FD95-7DBD-59AB-3E28-5425E88351E5

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate



UNIVERSITY
OF LONDON

Nov 26, 2022

BRUNO ADUL

has successfully completed

Cyber Security Fundamentals

an online non-credit course authorized by University of London and offered through Coursera

A handwritten signature in black ink that appears to read "Chris Mitchell".

Chris Mitchell
Professor
Computer Science

COURSE CERTIFICATE



Verify at:

<https://coursera.org/verify/4W6NKCJSKHT1>

Coursera has confirmed the identity of this individual and their participation in the course.



Dec 2, 2022

BRUNO ADUL

has successfully completed

The Bits and Bytes of Computer Networking

an online non-credit course authorized by Google and offered through Coursera

COURSE CERTIFICATE



Google

Google

Verify at:

<https://coursera.org/verify/EVABHYTDIP79>

Coursera has confirmed the identity of this individual and their participation in the course.

COURSE CERTIFICATE



This is to certify that

Bruno Adul

has successfully completed the course by demonstrating
theoretical understanding of

HTML



Certificate CT-IAPDMJDE
Issued 22 February, 2018

Yeva Hyusyan
Chief Executive Officer

COURSE CERTIFICATE



This is to certify that

Bruno Adul

has successfully completed the course by demonstrating
theoretical understanding of

PHP



Certificate CT-VCJTZIEL
Issued 15 October, 2019

Yeva Hyusyan
Chief Executive Officer

COURSE CERTIFICATE

This is to certify that

Bruno Adul

has successfully completed the course by demonstrating
theoretical understanding of

jQuery



Certificate CT-029ETA18
Issued 15 December, 2019



Yeva Hyusyan
Chief Executive Officer

The Kenya National Examinations Council



KENYA CERTIFICATE OF SECONDARY EDUCATION

This is to certify that the candidate named below sat for the Kenya Certificate of Secondary Education examination in the subjects shown and attained the grades indicated.



41704001/148



NAME: OMONDI BRUNO ADUL
HOMA BAY HIGH SCHOOL

SUBJECT

GRADE

101	ENGLISH	B+ (PLUS)
102	KISWAHILI	A
121	MATHEMATICS	C+ (PLUS)
231	BIOLOGY	B+ (PLUS)
232	PHYSICS	A
233	CHEMISTRY	B+ (PLUS)
311	HISTORY AND GOVERNMENT	A- (MINUS)
312	GEOGRAPHY	A

SUBJECTS NAMED EIGHT MEAN GRADE A- (MINUS)

EXAMINATION OF YEAR 2015

PRINTED : 161022:10423235



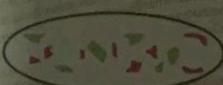
Chief Executive Officer
Kenya National Examinations Council

This is a secure document printed using special paper and inks.
Please hold it up to the UV light to verify that the word BARAZA LA MITIHANI and the "ORIGINAL" embedded thread can be seen through the paper.
Not valid without a hologram.

(See overleaf for conditions of issue)

KCSE/ 15 1896453

Chairman
Kenya National Examinations Council



The Kenya National Examinations Council



KENYA CERTIFICATE OF PRIMARY EDUCATION KCPE

This is to certify that the candidate named below sat for the **Kenya Certificate of Primary Education** examination and qualified for the award of this certificate. The candidate attained the subject grades shown below.

NAME: OMONDI BRUNO ADUL
SCHOOL: ST MARY'S OYOLA

736219/032

736219

GRADE

ENGLISH LANGUAGE
KISWAHILI
MATHEMATICS
SCIENCE
SOCIAL STUDIES AND RELIGIOUS EDUCATION

A- (MINUS)
A- (MINUS)
B (PLAIN)
B+ (PLUS)
B+ (PLUS)

EXAMINATION OF 2011
PRINTED : 120806 : 13505833



Secretary
Kenya National Examinations Council

Chairman
Kenya National Examinations Council

This certificate was issued without any alteration whatsoever. See overleaf for grades and mark intervals.

KCPE/11 0748327



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