

# BRUNO ADUL

Information Technology Expert

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**brunoadul@gmail.com**

## EXPERIENCE

### Cerealsplace.com (Startup), Nairobi Kenya —Full-Stack Developer & IT Lead-Contract

February 2025-March 2025

- **Deployed and configured** Laravel e-commerce site on AWS EC2, ensuring optimal performance and scalability.
- **Secured the application** by configuring **AWS Web Application Firewall (WAF)** to protect against common web exploits.
- Installed and configured **SSL certificates** via Let's Encrypt, enabling automatic renewals for uninterrupted security.
- **Designed website content and graphics**, ensuring a user-friendly interface and engaging visual experience.
- **Implemented security best practices**, including setting up security policies, system monitoring, and regular audits.
- Configured and enforced **automated backup policies** to ensure data integrity and disaster recovery readiness.
- Integrated AWS **Elastic Load Balancer (ELB)** to ensure high availability and distribute traffic efficiently.
- Integrated M-Pesa API to enable seamless **STK Push payments**, ensuring real-time payment processing.
- Conducted **performance optimization**, including database tuning and server configuration, to enhance site speed and reliability.
- Oversaw **system monitoring and troubleshooting**, ensuring 24/7 uptime and rapid issue resolution.
- Collaborated with cross-functional teams to align business objectives with technical strategies.

### 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

## SKILLS

### Technical Skills

#### AI & Agentic Tools:

- Cursor, Replit, WindSurf,ZenCoder,
- Prompt Engineering,
- LLM Fine-tuning
- AI generated Code Review & Approval

#### Programming Languages:

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

#### Frameworks & Libraries:

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

#### Web Development & Software Engineering:

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

#### Data Analysis & Visualization:

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

#### Cloud Platforms & Tools:

- AWS (S3, EC2, Lambda, CloudWatch, Kinesis)

- 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..
- Elastic Stack (Elasticsearch, Logstash, Kibana)

## **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.

## **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.

## **EDUCATION**

### **Delhi Technological University, New Delhi India — Degree**

Bachelor Of Technology Information Technology

## **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

## **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.

## 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.

## 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](#)

## 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
	CGPA - Cumulative Grade Point Average		TC - Total Credits	172	
1	BRUNO OMONDI ADUL	2K18/IT/038	ब्रुनो ओमोंडी अदुल	180	6.11

Any discrepancy in the result in *in* name/roll no/registration should be brought to the notice of COE/Office Acad (UG/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

1/3

# 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

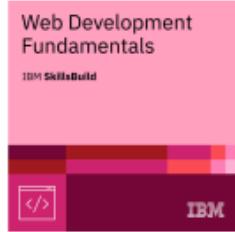
**PROF. THUMBI MWANGI, PH.D**  
CO-DIRECTOR, CEMA



# Web Development Fundamentals

ISSUED TO

Bruno Adul



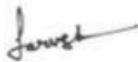
Issued on: 14 JAN 2025 | Issued by: IBM SkillsBuild  
Verify: <https://www.credly.com/go/3zMXi6m2>

# 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](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

A handwritten signature in black ink.

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



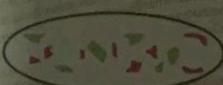
Chief Executive Officer  
Kenya National Examinations Council

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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