Henry Ayub
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Summary:
Dedicated and motivated IT student with a passion for backend software engineering.
Experienced in project development and leadership roles. Strong problem-solving skills and a
commitment to continuous learning.

Education:
Bachelor of Science in Information Technology
Taita Taveta University, August 2022 - Present)

ALX Software Engineering Program
ALX, November 2022 - Present
Completed intensive training in software engineering and development.
Participating in hands-on projects focusing on [mention specific technologies or projects].

Technical Skills:
- Programming Languages: Python, JavaScript
- Backend Frameworks: Flask
- Databases: MySQL
- Version Control: Git

Projects:
1. RouteXpert - Personal Vehicle Route Optimization
  - Project Manager and Full Stack Developer: Led project planning, development, and
coordination of frontend and backend components.
  - Technologies: Python (Backend), JavaScript (Frontend), Flask, React, SQLite, Mapbox
API, Pandas, NumPy, Chart.js, Git (GitHub).
  - Aim: Optimize routes for personal vehicles, minimizing travel time and enhancing
transportation efficiency.
  - Locale: Applicable to any location with map data for personal vehicle navigation.
  - Risks: Addressed technical and non-technical challenges through thorough testing and
user feedback.
  - Infrastructure: Employed a solo developer's branching strategy, cloud deployment, and
data sourcing from Mapbox API.
  - Timeline: Planned four-week development phases covering project setup, backend and
frontend development, integration, testing, and deployment.

Leadership and Extracurricular Activities:
- Microsoft Learn Student Ambassador: Served as a Microsoft Learn Student Ambassador, advocating for technology education and organizing coding challenges and tech events.

Languages:
- Fluent in English and Swahili

References:
Available upon request.