**GACUHI WAMBARA**

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**EDUCATION**

**Nanjing University of Aeronautics and Astronautics**

**Bachelor of Engineering in Mechanical Engineering**

September 2021- present

Expected Graduation: 07/2027

**Skills & Abilities:**

**TECHNICAL**

* Computer Skills:
* Proficient: Matlab, Python, CATIA
* Working knowledge: AutoCAD
* Experience using: C++, Geant4, HTML, CSS
* Hands-on Skills:
* Proficient: Metal lathe
* Working knowledge: Milling machine, Drill Press

**PROJECTS**

* **Fabricated a hammer workpiece** : Developed hands-on experience in metalworking through the fabrication of a hammer workpiece enhancing understanding of industrial processes.
* **Recipe Recommendation System**: Collaborated with a classmate to develop a C++ recipe recommendation system. Responsibilities included defining comprehensive system requirements specifications and executing detailed test cases to ensure system reliability.
* **Belt Conveyor Transmission Device** : Designed a functional belt conveyor transmission device as a course project, employing AutoCAD to create detailed component and assembly drawings
* **Jig For Bearing Box**: Created a jig design for a bearing box to enhance manufacturing efficiency with detailed CAD drawings and technical documentation

**LANGUAGES**

* **English**: Fluent
* **Swahili:** Fluent
* **Chinese:** Intermediate
* **German:** Beginner