SEID FIKRESELASSIE
M2 EEEA - Automatic Control and Robotics [SAAS]

France

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ABOUT ME

I am a dedicated Mechatronics Engineer with a strong background in robotics, automation, and advanced control systems. My experience spans mechanical design, electronics, and software integration, enabling me to tackle complex technical challenges. I value continuous learning, teamwork, and creativity, striving to deliver innovative solutions in every project. With an eye for detail and a commitment to excellence, I thrive on pushing boundaries to achieve success.

EDUCATION

Université Évry Paris-Saclay and Poznan University of Technology [Double Degree]   **Feb. 2024 – Present**
Master of Science in M2 EEEA - Automatic Control and Robotics [SAAS]   *Evry, France*

Wollo University - Kombolcha Institute of Technology [Gold Medal]   **Sept. 2016 – July 2021**
Bachelor of Science Degree in Mechatronics Engineering   *Kombolcha, Ethiopia*

RELEVANT COURSEWORK

- Sensor Fusion
- Advanced Artificial Perception
- Flight Control Systems
- Aerial Robots
- Embedded Control Systems
- Flight Modelling and Simulation
- Autonomous Systems
- AI and Aerospace Systems
- Mission Coordination (ROS)

EXPERIENCE

LORIA   **Feb. 2025 – Present**
Human-Robot Interaction Research Intern   *Nancy, France*
- Developed a humanoid-robot prototype (iCub, Furhat) to train joint attention (JA) through a strategic Hex-game using synchronized behavioral cues.

B.G.I Ethiopia Private Limited Company || here   **Mar. 2020 – Feb. 2021**
Mechatronics Engineer Intern   *Kombolcha, Ethiopia*
- Assisted in maintaining and troubleshooting automated manufacturing systems to improve production efficiency and reduce downtime.

Wollo University - Kombolcha Institute of Technology || here   **Feb. 2022 – Feb. 2024**
Assistant Lecturer   *Kombolcha, Ethiopia*
- Instructed undergraduate courses in Mechatronics, focusing on integrating mechanical, electrical, and computer engineering principles.

PROJECTS

QR-Code Based Product Sorting Autonomous Robotic Arm || Video   **June 2021**
- Developed an autonomous robotic arm system for sorting products using QR code recognition for automated product identification.
- Integrated Raspberry Pi with the robotic arm to process QR code data and control the sorting mechanism.

Mini Tracker Robot Following Light Spot Position || github   **May 2024**
- Developed a neural network-based control system for a mobile robot to track and follow a light source.

Reverse Vending Machine || Video   **November 2022**
- Developed a reverse vending machine that accepts recyclable materials and dispenses rewards based on the type of material deposited.

SKILLS

Programming Languages: MATLAB, Python, C, PLC, HMI, CNC, SolidWorks
Technologies: ROS2, OpenCV, Gazebo, TensorFlow, Keras, IoT, Machine Learning
Soft skills: Communication, Creativity, Resilience, Flexibility, Teamwork

LANGUAGES

Amharic (Native)   **English** (B2)   **French** (A1)

AWARDS

Erasmus+ Scholarship   **NAWA Scholarship**   **Generation Unlimited Youth Challenge Winner**