

Saleh Abdo Sattouf

Tabbara Bldg., Abu-Deeb St., Khaldeh, Lebanon

Email: sattoufsa@students.rhu.edu.lb | Phone: (+961) 71469907

LinkedIn: <https://www.linkedin.com/in/saleh-sattouf-87bb50272/>

Profile

Mechatronics Engineering student with hands-on experience in automotive technology, robotics, automation, and embedded systems. Skilled in vehicle dynamics, sensor integration, LiDAR mapping, and for autonomous vehicle applications. Proficient in SolidWorks, with a strong background in mechanical design, CAD modeling, and electronic control systems

Education

Bachelor of Engineering in Mechatronics Engineering, Rafik Hariri University (RHU), GPA: 3.0 (Expected Graduation: 2025)

Lebanese Baccalaureate (General Science), La Cite Culturelle (2020)

Experience

Electrical Team Intern - Suzuki: Assisted the electrical engineering team in diagnosing, repairing, and testing vehicle electrical systems, including sensor troubleshooting, ECU checks, and wiring inspections.

Mechatronics Engineering Intern – Bassoul & Heneiné:

- Worked on testing and calibration of electronic vehicle components.
 - Perform work as described on repair order with efficiency and accuracy
 - proprietary diagnostic scanners and supported mechanical system evaluations through scanner-based data analysis and fault code interpretation.
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Projects

- Autonomous Vehicle Navigation – Developed a LiDAR-based ROS1/ROS2 system for real-time obstacle detection and path planning.
 - Self-Balancing Motorcycle – Developed a gyro-stabilized e-motorcycle with IMUbased active balancing control.
 - Targeting Water Robot – Applied computer vision for object tracking.
 - Autonomous Tank Robotic Arm – Integrated ROS with LiDAR & servo motors.
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Languages

Arabic: Native | English: C1 | German: B1

References

Available upon request

