# Advaith Sriram

Robotics Graduate Student
Lausanne, Switzerland

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in LinkedIn Profile

## EDUCATION

- **École Polytechnique Fédérale de Lausanne (EPFL)**                      *September 2024 - present*

  *Lausanne, Switzerland*

  *Master of Science (M.Sc) in* **Robotics**

  – Relevant Coursework: Legged Robots, Computational Motor Control, Aerial Robotics, Mobile Robotics, Model Predictive Control
  – Minor in **Data Science**: Machine Learning, Computer Vision, Image Analysis and Pattern Recognition

- **Waseda University, School of Creative Science and Engineering**     *September 2019 - September 2023*

  *Tokyo, Japan*                                                                                          GPA: 3.84/4.00

  *Bachelor of Engineering (B.E.) in* **Mechanical Engineering**

  – Specialization in Robotics: Human-Robot Co-Existence, Sugano Laboratory
  – Researched Large-Object Human-to-Robot Handover as part of Japan Science and Technology Agency's (JST) Moonshot Program Goal 3
  – Minor in Computer Science and Communications Engineering

- **M.Ct.M Chidambaram Chettyar International School (High School)**           *July 2017 - June 2019*

  *Chennai, India*                                                                                            Score: 41/45

  *International Baccalaureate Diploma Program (IBDP)*

  – Higher Level: Mathematics (7), Physics (7), Chemistry (7)

## EXPERIENCE

- **Mechatronics Engineer**                                                  *October 2023 - September 2024*

  *Daimler Trucks Asia*                                                                           Kanagawa, Japan

  – Researched vehicle control development for a Highway Level-4 autonomous truck.
  – Integrated a Position and Orientation System (POS-LV) to extract information for accurate road geometry using ROS2.
  – Converted existing internal ROS1 libraries to ROS2 for improved system compatibility.

- **Research Intern**                                                                      *May - September 2023*

  *Beckhoff Automation K.K.*                                                                          Tokyo, Japan

  – Collaborated with the University of Electro-Communications to research ElGamal encryption, leveraging their expertise to enhance data security.
  – Implemented the ElGamal encryption algorithm on an EtherCAT evaluation kit using TwinCAT software, demonstrating practical skills in industrial automation and controller encryption technology.

## EXTRACURRICULARS

- **President, Co-Founder**, Google DG on Campus - Waseda University     *September 2021 - August 2023*

  – Co-founded and oversaw a developer group of 75 student members, and achieved significant event participation that engaged over 150 students.
  – Enhanced the club's presence within the university and facilitated valuable internship opportunities for members.

- **Marketing Member**, TEDxWasedaU                                       *October 2021 - September 2022*

  – Improved the brand awareness of the organization by 30% on social media platforms through offline and online marketing strategies and data analysis techniques.

## PUBLICATIONS

- **International Conference on Robotics and Automation (ICRA)** *First Co-Author*          *May 2024*
  – Title: Overcoming Hand and Arm Occlusion in Human-to-Robot Handovers: Predicting Safe Poses with a Multimodal DNN Regression Model

## SKILLS

**Languages**: English *(Native)*, Tamil *(Native)*, Japanese *(Proficient)*, French *(Conversational)*
**Programming**: Python, C, MATLAB, ROS2, Arduino IDE