

## Shivam Chudasama

*Mechatronics & Robotics Engineer*

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Portfolio: [shivme.click](http://shivme.click)

Github: [github.com/shivcc](https://github.com/shivcc)

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### Summary

Analytical and detail-oriented Mechatronics & Robotics Engineer with experience in repair. Knowledgeable in ROS, C++, and Python, with a passion for developing robots ranging from AMRs, robot arms and embedded systems. Dedicated to lifelong learning and continuous self-improvement.

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### Education

#### M.Eng in Mechatronics Engineering

*De Montfort University*

11/2020 - 03/2024

#### B.Eng (Hons) in Mechatronics Engineering

*Asia Pacific University*

09/2018 - 01/2024

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### Work Experience

#### Repair Technician

*LSANG Communications SDN BHD* | Kuala Lumpur, Malaysia

12/2021 - 04/2022

Performed service and repair of power supplies, amplifiers, and miscellaneous electric devices. Mentored junior technicians, developed expert soldering skills and managed stock.

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### Key Projects

- **Unmanned Ground Vehicle (UGV) for Fertilization:** Autonomous fertilization dispensing and navigation solution for palm plantations. (ROS, C++, Electronics)
  - **Sign Language Translator:** Developed using machine learning and machine vision in Android devices. (Python, Java, OpenCV, TensorFlow)
  - **Smart Hospital Environment (SHE):** IoT project, awarded silver prize at Malaysia Technology Expo. (ESP32, IOT)
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### Skills

- **Programming:** C++, Python, Java, C#, Arduino
- **Robotics:** ROS, ROS 2, SLAM, motion planning, perception techniques
- **Software:** LabVIEW, Automation Studio, MATLAB, SolidWorks, AutoCAD
- **Technologies:** AI, Machine Vision, PLC, IoT, AWS Cloud Services