

# Mahendran Jeevan

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## Personal Particulars

Date of Birth: 21 May 2003

Nationality: Indian

Gender: Male

Marital Status: Single

## Educational Backgrounds

### Nanyang Polytechnic

**Apr 2020 – Apr 2023**

- Diploma in Robotics and Mechatronics
- Specialized in Automation and Robotics Technology

### Bendemeer Secondary School

**Jan 2016 – Nov 2019**

- GCE 'O' Level

## Work and Experiences

### Production and Design Intern, KABAM Robotics PTE LTD

**June 2022 – October 2022**

- Design and development of CAD model of a new robot for deployment.
- Sourcing of parts online and involve with fabricators to make the parts.
- Design parts to integrate sensors and systems to existing robots.
- Assist in technical duties assigned.

### Part-Time Warehouse Assistant/Technician, ISEP (MacPherson)

**Aug 2021 – Aug 2021**

- Stock taking and other administrative tasks assigned.
- Restoring and polishing junction boxes and panel assembly.
- Assemble pneumatic valve fittings based on CAD drawings.
- Work with basic power tools.

### Part-Time Warehouse Handler, SATS Airfreight Terminal

**Jan 2020 – April 2020**

- Assist in loading and unloading of items and packages onto pallet and ULD containers.
- Good communication skills with fellow workers with language barriers and finding ways to arrange cargo boxes on pallets for airfreight.

## **Skills Summary**

### **Software Skills:**

- Microsoft Office (Word, PowerPoint, and Excel)
- OnShape CAD (3D Modelling)
- Autodesk Inventor (3D Mechanical Design)
- Autodesk Fusion 360 (3D Modelling)
- SketchUp (3D Modelling)
- Matterport (Digital Twin 3D Space Capture)
- FluidSIM (Pneumatic & Electrical Circuits)
- PyCharm (Python Programming)
- Arduino IDE (C Programming)
- VNC Viewer (Raspberry PI)

### **Technical Skills:**

- Computer-Aided Design
- Metrology & Inspection
- Robotics (Mitsubishi Industrial Robots)
- Programming (Python and C)
- Electrical Troubleshooting
- Data Analysis
- Basic Technical Tool Skills
- 3D Printing

### **Management and Leadership Skills:**

- Appointed as the Steers Person for NYP Dragon Boat Team and competitions.
- Organized CCA camps and small events for students to participate.
- As the winning project team of the cohort, pitched our innovative approach to a panel of industry judges and lectures.

### **Language Skills:**

- Fluent in spoken and written English.
- Fluent in spoken and written Tamil.

## **Awards and Achievements**

- Special Award, Project Based Learning – Industry Challenge
- Nanyang Polytechnic, Polytechnic-ITE Games 2022
- Good Progress in Academic Performance AY 2020 S2
- Fab Lab and Control Access Lab Safety Certification
- CPR + AED Provider Course
- STEAM @ Central Singapore 2018

## Co-Curricular Activities

### NYP Dragon Boat (Men)

April 2020 – Apr 2023

#### Steers / Paddler

- Command the boat during sea trainings and cultivate sportsmanship among fellow members.
- Communication and team bonding with fellow boat members to achieve team goals and better timings for race sets and competitions.
- Be physically and mentally fit and apply lifelong learning skill through team bonding activities and better prepare for National Service and Industry Workforce.

## Hobbies and Interests

- Cycling and Hiking to new or old places around Singapore.
- Often design and model ideas using Autodesk Inventor.
- Sketching 3D parts and objects on paper.
- Passionate to learn Solidworks, Siemens NX and other modelling softwares.
- Do personal projects using Arduino or make cardboard models in Makerspace NYP.
- Watch YouTube and spend time with family and friends.

## Personal Attributes

- Strong interpersonal and communication skills
- Ability to work independently and as a team
- Fast learner and able to adapt to changes
- Time management
- Willing to learn new information and skills
- Meticulous
- Adaptable

Link to Digital Portfolio: <https://mjeevan4130.wixsite.com/my-site>