

# SANTHUJAN VIJEYAKUMAR

DOB – 1997/10/22

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## Objective

To achieve a challenging career in the field of Information Technology and strive for excellence learning in a progressive environment, enhancing my skills and contributing my part to the overall growth of an organization to scale newer heights.

## Educational Qualification

### **ESOFT METRO CAMPUS, COLOMBO, SRI LANKA (2019- 2020)**

Certificate in Java programming with software application

### **HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, WUHAN, CHINA (2015-2019)**

Field of study: Machine Design, Manufacturing and Automation Engineering

### **ADVANCED LEVEL - EVERWIN MATRIC HR SEC SCHOOL, CHENNAI, INDIA (2015)**

French, English, Physics, Chemistry, Computer Science, Mathematics

### **ORDINARY LEVEL – DON BOSCO MATRIC HR SEC SCHOOL, CHENNAI, INDIA (2013)**

Tamil, English, Mathematics, Science, Social Science

## Training

### ➤ Personal Portfolio

[shanthu.herokuapp.com](https://shanthu.herokuapp.com)

- Setting up a personal website portfolio to showcase my best work and areas of expertise, providing others with an outlet to reach me. (Eg: CV, Contact information )
- Technologies used: GITHUB, Python, Django framework, Heroku deployment server, html, CSS, JS.

### ➤ E-Commerce website

[serene-shore-60064.herokuapp.com](https://serene-shore-60064.herokuapp.com)

- Developing an e-commerce website for a shop Mother and baby care in srilanka.
- Technologies used: GITHUB, python, django framework, PostgreSQL, heroku deployment server, html, CSS, JS.

### ➤ Coach booking system

- Practical Project developed at ESOFT Metro Campus, Sri Lanka.
- Technologies used: Java, MYSQL, Netbeans.

- **Rover Design Project**
  - Designing wireless controlled rover to transport objects
  - Project Planning: Tree diagram and Gantt chart.
  - **Product Research: Function Tree Analysis, Morphological graph, QFD, Concept evaluation.**
  - **Detailed Design: Kinematic diagram, Force analysis, 2D/3D design, Assembling and Testing.**
- **Machine Design Course Project**
  - Analyzing and Designing gear reducer- Structural Design, Gear meshing analogy and Conceptual result.
  - Calculating Stresses, Deflections and Bearing's life.
  - Designing Assembly drawings and part drawings using CAD software.
- **Mechanical Engineering practice course**
  - Operating CNC, Lathe, EDM, Milling machines.
  - Injection Moulding, 3D printing and Assembly of a car engine.
- **Research paper project**
  - Research project on Non-Destructive Testing on wire ropes, designing magnetic flux sensor for wire ropes.
  - 3D design and stimulation.

## Work Experience

- **Petform (Pvt) Ltd**  
**2020/01/15 - current**

Position: Research & Development executive

Role: Research and analyse the improvements that can be made on existing systems of the company or implement new innovations successfully. As the HOD for my department I perform various presentations in corporate board meetings. Once the project is approved, I coordinate with the other sectors (IT, Accounting, Technicians) to work on project completion.

Cad designing: Prepare new designs based on customer requirements and to maintain market sustainability.

➤ **Freelance project:**  
**2019/10/2 - 2019/12/10**

Position: Python backend developer

Role: Developing a responsive e-commerce website for a well-known Sri Lankan company. 'Mother & Baby care' is a store located in Jaffna, Sri Lanka which sells essential maternity and baby care products. An e-commerce website was successfully launched for the convenience of the customers.

### Professional Skills

Programming Languages:

Java, Python, C++

Databases:

MySQL, PostgreSQL

Web Technologies:

Django, Spring MVC

Software:

PyCharm, Visual Studio Code, NetBeans

Version control:

GITHUB

### Other Qualifications

Languages: English (fluent), Tamil (fluent), Chinese (basic), French (basic: reading and writing)

Computer skills: Windows XP/7/8/10, Microsoft Office (Word, Excel, PowerPoint), 3D designing software - AutoCAD, Solid Works, CATIA.

### References

**Mr. Herath P. Kularathna**

Deputy Project Director - TCAMP - PRDP  
(Transport Connectivity & Assets Management  
- Provincial Road Development Project),

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