

Sethulakshmanan SP

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EDUCATION

B.E COMPUTER SCIENCE

ST.JOSEPHS INSTITUTE OF
TECHNOLOGY

Expected May 2025 | CGPA 8.13

QUALIFIED 12TH

THE HINDU SENIOR SECONDARY
SCHOOL

2020-2021

LINKS

LinkedIn:// [sp-sethulakshmanan](https://www.linkedin.com/in/sp-sethulakshmanan)

Github:// github.com/sethubolt7

COURSEWORK

UNDERGRADUATE

- Object Oriented Programming
- Operating Systems
- Artificial Intelligence
- Data Structures and Algorithm
- Distributed Computing
- System Design
- Computer Architecture
- Designing Principles

TECHNICAL SKILLS

PROGRAMMING

- Python
- Java
- C
- HTML
- CSS
- Javascript

MACHINE LEARNING TOOLS

- CNN
- Decision Tree
- Ensemble Technique
- Regression
- Classification

FRAMEWORKS

- Tensorflow
- Flutter

ACHIEVEMENTS

CUBETHON 2023 WINNERS

RECOGNISED BY "CUBET AND NASSCOM COMPANY"

August 2023 | Kochi, Kerala

- Developed gesture/voice computer control for disabled, secured 4th runner-up with Rs 10,000 prize.

IEEE-YESIST'12

INTERNATIONAL LEVEL HACKATHON (PRELIMS) WINNERS

May 2023 | Cairo, Egypt

- Recognised by "Institute of Electrical and Electronics Engineers" (IEEE)
- Innovated computer control for the physically challenged using facial gestures/voice, clinching 1st place at IEEE YESIST'12 prelims.

NATIONAL LEVEL HACKATHON WINNER

RECOGNISED BY "POSTMAN API" COMPANY

March 2023 | Jaipur, India

- Created an intuitive Python-based system empowering physically challenged individuals to control their computers using physical gestures, earning recognition for innovation and technical skills

HACK WHEEL - HACKATHON WINNER

CONDUCTED BY LOYOLA - ICAM

October 2022 | Chennai, India

- Built public parking allocation with a piezoelectric sensor, assigning spots via real-time user requests.

PROJECTS

WATERRESQ:

Sept 2023

- Our advanced **CNN-powered app** allows accurate environmental issue reporting and efficient management for transparent community engagement and progress sharing. **Video link:** <http://surl.li/mfbdh>

HOUSE PRICE PREDICTION:

Aug 2023

- Built precise house price prediction model using Multiple Linear Regression and Gradient Descent, achieving 91.004 per. accuracy, highlighting expertise in machine learning

NATASHA:

Since 2021

- Designed Natasha VAPC-1: **AI-powered computer tech** for the physically challenged; integrates voice, facial, and nose control, enhancing independence and usability on familiar platforms. **Video link:** <http://surl.li/mfaxv>

CERTIFICATIONS

- CAMBRIDGE - Business English Certificate
- COURSERA - Mathematics for Machine Learning-Linear Algebra
- COURSERA - Supervised Machine Learning: Regression and Classification, **Andrew Ng**
- COURSERA - Advanced Learning Algorithms, **Andrew Ng**
- LINKEDIN - Java 8 Essential Training