

# Shyama Menon

Kerala  
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## Education

- Aug 2014 | **B.Tech in Biomedical**, *KMCT College of Engineering for Women*, GPA: 7.5,  
May 2018 *Kerala*.
- April 2013 | **12**, *Kendriya Vidyalaya*, GPA: 7.4, *New Delhi*.  
May 2014
- April 2011 | **10**, *KES School*, GPA: 8.6, *New Delhi*.  
May 2012

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## Work Experience

- 12 – 23 June **Intern**, *National Physical Laboratory*, New Delhi.  
2017
  - Worked on the development of a 3D printed Lagmuir-Blodgett trough used for fabrication and characterisation of thin film monolayer molecules
  - Saved significant time and money on development/testing via rapid prototyping and computational modelling
- June 2018 – **Trainee**, *Cyrix Healthcare Pvt Ltd*, Kerala.  
Oct 2018
  - Familiarised with the working, maintenance and servicing of medical equipments
  - Conducted preventive maintenance of hospital equipments
  - Testing and calibration of medical equipments

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## Skills

- Programming C, MATLAB, Keil  
Languages
- Workshops Attended  
Ultrasound imaging by Niranjana Ultrasound Pvt Ltd, Implants workshop by Medtronics, Domestic engineering by Social Research Society, Emergency medicine by MIMS
- Activities  
Active NSS volunteer, Member of Medical Instrumentation and Research Association, Headed designing committee as part of college fest

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## Projects

### **Automatic Detection of TB, MATLAB.**

Computer aided diagnosis of TB from posteroanterior chest x-ray images using image processing techniques such as preprocessing, segmentation, feature extraction and classification. This project was done in coordination with the Product Engg. department of NIELIT, Calicut.

[http://www.slideshare.net/ShyamaMenon1/automatic-detection-of-tb?from\\_m\\_app=android](http://www.slideshare.net/ShyamaMenon1/automatic-detection-of-tb?from_m_app=android)

**Anaesthesia Monitor, *Arduino*.**

Designed and developed an anaesthesia monitor that indicates the depth of anaesthesia by analysing the heart rate of the patient.

**Proton Beam Therapy, *Seminar*.**

A high precision radiotherapy that directs protons at tumours with the intent of eradicating the neoplastic tissue while preserving adjacent healthy tissue

[http://www.slideshare.net/ShyamaMenon1/proton-beam-therapy-114449511?from\\_m\\_app=android](http://www.slideshare.net/ShyamaMenon1/proton-beam-therapy-114449511?from_m_app=android)

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**Personal profile**

**Date of birth : 10 July 1996**

**Father's name : Jai Shankar Menon**

**Marital status : Single**

**Languages known : English, Hindi, Malayalam, Tamil**

**DECLARATION**

I hereby declare that the particulars furnished above are true to the best of my knowledge and belief.

*Place : Aluva.*

*Date : 5 March 2019.*