

ABIN J THOMAS

B.Tech. - Electronics & Communication Engineering

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BRIEF SUMMARY

Electronics and Communication Engineering graduate with a strong foundation in embedded systems, IoT, and sensor-based technologies. Experienced in developing academic projects with practical hardware and software integration. Possesses strong analytical, communication, and teamwork skills with the ability to adapt quickly and contribute effectively in professional environments. Committed to applying technical knowledge and continuous learning to deliver innovative and efficient solutions.

EDUCATION

B.Tech. - Electronics & Communication Engineering, Mar Baselios College of Engineering and Technology (Autonomous) CGPA: 7.32 / 10	2022 – 2026
12th KBHSE, St. Behanans Higher Secondary School Percentage: 91.30 / 100	2022
10th CBSE, Little Flower Vidyanikethan & Junior College Percentage: 88.80 / 100	2020

PROJECTS

AERION Spirometer Mentor: Dr. Lani Rachel Mathew, Team Size: 4 Developed a portable spirometer integrated with a smartphone and air quality monitoring system for real-time respiratory health assessment.	15/07/2025 – 10/04/2026
ProxiSensor Mentor: Mr. Aswin R B, Team Size: 5 Key Skills: Troubleshooting, Listening, MATLAB, Arduino UNO, Tinkercad. An idea was presented as project idea about implementing a device that could help autistic students to maintain a safe distance in public places.	09/06/2025 – 20/06/2025
Non-Invasive Glucose Monitoring System, Mentor: Dr. Lani Rachel Mathew, Team Size: 4 Key Skills: Problem Solving, Coding, Embedded Systems, Programming, Circuit Design and Implementation, Tinkercad, Troubleshooting, Prototype making	03/01/2025 – 22/05/2025

INTERNSHIPS

Intern, IEEE EMBS

09/06/2025 –
20/06/2025

Key Skills: MATLAB, Assistive Technology, Coding and Problem Solving.

The AT internship took place from 9 June 2025 to 20 June 2025, during which many opportunities were provided to gain knowledge in the assistive technology field. There were many field visits during the internship period, such as the CDC Trivandrum Medical College, Palium India, SCTIMST Poojappura, and NISH Akkulam. At the end, as a team, I was able to do a project for Autistic students

KEY EXPERTISE

- Time Management
- Presentation Skills
- Communication Skills
- Circuit Design & Implementation
- Leadership
- C Programming
- Team Collaboration
- Problem Solving
- IoT & Sensor Integration
- Arduino & Tinkercad
- Team Management

PERSONAL INTERESTS

- Community Volunteering
- Event organization
- Public Speaking
- Cultural Exchange
- To help others
- Reading News

EXTRA CURRICULAR ACTIVITIES

- **Active Member of Jesus Youth Movement**
- **Community Outreach Programs**
- **Event Coordinator**
- **Youth Gatherings Volunteer**
- **Leadership & Skill Development Workshops**
- **NSS Volunteer**
- **Active participations in technical workshops**

Known Languages

- English
- Hindi
- Malayalam