

# Soheli Farhana, PhD

🏠 Cambridge, MA 02140 | ✉ farhana.engineer@gmail.com | ☎ +1 857-208-4648 | [LinkedIn](#) | [Website](#)

As an educator at esteemed higher educational institutions, I've developed a strong ability to communicate complex concepts in accessible ways, fostering an engaging and inclusive learning environment. My expertise lies in crafting lesson plans and using diverse instructional methods to support language acquisition and promote critical thinking. I am skilled in creating interactive learning experiences accommodating varying language levels and cultural backgrounds, ensuring every student feels supported and empowered to reach their fullest potential.

## EDUCATION

**International Islamic University Malaysia** **KL, Malaysia**  
Ph.D. in Engineering (**Top Student & Best PhD Research Award**) Feb. 2012 - Jan. 2016  
Department of Electrical and Computer Engineering

**International Islamic University Malaysia** **KL, Malaysia**  
M.Sc. in Electrical and Computer Engineering Dec. 2009 - Jan. 2012  
Department of Electrical and Computer Engineering

## CERTIFICATE & LICENSURE

- **Best Practices in ESOL certificate**, SIT/World Learning
- **ESOL Certification** – SABES
- **Certified Tutor in ESOL** – First Literacy
- **Certified Computer Web-Programmer**
- **Data Science Certifications** – IBM
- **Professional Technologist** – MBOT
- **Graduate Engineer Member** – BEM

## TEACHING/RESEARCH EXPERIENCES

**YMCA International Learning Center** **Boston, MA**

*Intern – ESOL Class* February 2025 – June 2025

- Assisted lead ESOL instructors in lesson delivery by supporting classroom instruction, facilitating group activities, and promoting student engagement in reading, writing, and conversation tasks.
- Conducted independent mini-lessons and classroom activities focused on practical English skills, including vocabulary development, grammar review, and structured speaking practice.
- Observed and documented classroom teaching strategies and student progress; collaborated with teachers to support differentiated instruction for adult learners from diverse cultural and linguistic backgrounds.

**Cambridge Community Learning Center** **Cambridge, MA**

*PT Teacher – ESOL* January 2025 – June 2025

- Designed and delivered engaging, level-appropriate English language instruction focused on speaking, listening, reading, and writing skills for adult ESOL Level 2 learners.
- Created culturally responsive lesson plans, assessments, and classroom activities aligned with student goals and program outcomes, fostering learner autonomy and confidence.
- Monitored student progress through formal and informal evaluations, conducted individual conferences, and collaborated with program staff to support learner advancement and retention.

**Cambridge Public Library** **Cambridge, MA**

*Teacher – ESOL/Math Class* June 2023 – March 2025

- Deliver engaging lessons by preparing educational materials that reinforce concepts.
- Collaborate with lead teachers to implement effective classroom management strategies.
- Identify struggling students and devise targeted interventions to address gaps.

**Cambridge Community Learning Center** **Cambridge, MA**

*Teaching Assistant – Science and ESOL Class* December 2022 – June 2023

- Facilitate small group instruction, targeting specific needs and skill levels.

- Identify struggling students and devise targeted interventions to address gaps.
- Provide one-on-one assistance, patiently explaining concepts using simplified language.

## Harvards Tech

Cambridge, MA

### Consultant (Tech. Ed.)

May 2020 – Present

- Providing expert technical advice and solutions.
- Leading technical implementation.
- Identifying opportunities for innovation and efficiency.

## Harvard University

Cambridge, MA

### Researcher

December 2019 – April 2020

- Conduct independent or collaborative research projects.
- Work with Harvard Lab staff members.
- Collect, analyze, and interpret research data.

## University of Kuala Lumpur, MIIT

KL, Malaysia

### Assistant Professor –AI & Data Analytics

December 2018 – March 2020

- Conceptualized and conducted innovative research projects in data analytics, machine learning, and related fields.
- Publish high-impact research papers in prestigious peer-reviewed journals and conferences.
- Secure external funding by crafting compelling grant proposals and research initiatives.

## International Islamic University Malaysia

KL, Malaysia

### Postdoctoral Fellow - Software Engineering

March 2016 – February 2018

- Facilitate small group instruction, targeting specific needs and skill levels.
- Identify struggling students and devise targeted interventions to address gaps.
- Provide one-on-one assistance, patiently explaining concepts using simplified language.

### Research Assistant - Electrical Engineering

December 2008 – November 2015

- Facilitate small group instruction, targeting specific needs and skill levels.
- Identify struggling students and devise targeted interventions to address gaps.
- Provide one-on-one assistance, patiently explaining concepts using simplified language.

### Tutor – Computer & Electrical Engineering

January 2009 – May 2015

- Facilitate small group instruction, targeting specific needs and skill levels.
- Collaborate with lead teachers to implement effective classroom management strategies.

## SKILLS

- **Instructional Design & Curriculum Development** – Proficient in creating interactive lesson plans.
- **Data Analytics & Machine Learning** – Experienced in AI methodologies and statistical analysis.
- **Multilingual Communication** – Skilled in language instruction with TESOL and ESOL expertise.
- **Classroom & Group Management** – Adept at managing diverse student groups and individual needs.
- **Research & Publication** – Authored multiple research papers in peer-reviewed journals.

## PROFESSIONAL DEVELOPMENT

- **COABE National Conference 2025, Dallas, TX – Participant**  
Attended national sessions on best practices in adult education, digital literacy, instructional strategies, and equity in ESOL teaching.
- **MCAE NETWORK 2025 Conference, Boston, MA – Facilitator & Participant**  
Served as a session facilitator and engaged in workshops on adult basic education, learner-centered instruction, and community engagement in ESOL.
- **Inclusive Education Strategies Seminar, SABES, Cambridge, MA – Participant, 2023**  
Gained practical strategies for fostering inclusive classroom environments, supporting diverse learners, and implementing culturally responsive teaching practices in adult education.
- **Classroom Management Workshop, SABES, Cambridge, MA – Participant, 2022**  
Explored evidence-based techniques for managing multi-level classrooms, promoting student engagement, and creating positive learning spaces for adult ESOL learners.

## EXTRACURRICULAR INVOLVEMENT

---

- **Publication Chair** – IEEE ICAD 2025, Boston, USA.
- **Science Club Advisor** – IEEE Xtreme, Organized experiments and events to engage students in STEAM activities, USA.
- **Workshop Co-Chair** – IEEE SMC 2024, Organized workshop in the flagship conference, Malaysia.