

# AFRIN A HAKKIM

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## SKILLS

Programming: **Python, Java**

Frontend: **HTML, CSS**

Database: **MySQL**

Core Concepts: **DSA, OOPS, DBMS, CN, Machine Learning, Deep Learning**

## PROJECTS

### Multimedia Blog using HTML

Jan 2026

- Designed and developed a multimedia-rich web page using **HTML5**, integrating audio, video embeds, images, and text emphasis elements.
- Enhanced content presentation and user engagement while strengthening core web development fundamentals.

### Smart Hardware Helper

Oct 2025 – Nov 2025

- Built a **YOLOv8** object detection model achieving **91.5% accuracy** to identify **10+ hardware fault types**.
- Automated repair guidance by mapping AI detections to a structured **JSON** knowledge base.
- Deployed a real-time **Streamlit** dashboard for instant image analysis and reporting.

### Competitive Analysis using Sentiment Analysis & Topic Modeling

Feb 2025 – Mar 2025

- Analyzed online business reviews using **VADER** and **topic modeling** to uncover strengths and weaknesses.
- Presented insights through interactive dashboards using **Streamlit** and **Tableau**.

### Smart Rain Alert System

Jan 2025 – Feb 2025

- Developed an **IoT-based** real-time rain detection system using sensors and microcontrollers to trigger instant alerts.
- Enabled timely preventive actions through automated environmental monitoring.

## INTERNSHIP

### Tap Academy

Dec 2025 – Present

#### Software Developer Intern

- Gaining hands-on experience in **Core Java, OOP concepts**, frontend-backend integration, and database fundamentals.
- Working on real-world application development using an **AR-based learning** approach.

### Launch Ed Global

Feb 2025 – Mar 2025

#### Machine Learning Intern

- Applied machine learning algorithms to diverse real-world datasets using **Python**.
- Performed data preprocessing, model selection, and evaluation using **scikit-learn** and **pandas**.

## ACHIEVEMENTS

Achieved **91.5% model accuracy** in a real-world object detection project using YOLOv8.

Successfully delivered multiple end-to-end projects combining **AI models, dashboards, and deployment**.

## EDUCATION

### Karunya Institute of Technology and Sciences

2024 – 2026

*M.Sc. in Artificial Intelligence and Data Science, CGPA: 9.11*

India

### Govt. College Chittur

2021 – 2024

*B.Sc. in Mathematics, CGPA: 6.6*

India