

# AMRIT RAJ

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## EDUCATION

### Kalasalingam Academy of Research and Education

*Bachelor of Technology*

**Jul 2021 – Current**

*TN, India*

- Major in Computer Science
- CGPA: 8.11/10

### BD College

*Intermediate in Science*

**Apr 2019 – Mar 2021**

*Bihar, India*

- Physics, Chemistry, Mathematics
- Grade: 76.2%

## EXPERIENCE

### GFG KARE Student Chapter

*Student Member*

**Jan 2023 – Current**

- Collaborated on a team project to showcase my skills by participating in tech events.
- Led a team of 5 in developing a web application resulting in 20% increase in event participation.

### IBM Phemesoft

*Student Intern*

**Jun 2024 – Jul 2024**

- Worked on a motion-sensing dustbin prototype that reduced waste handling time by 25% through automation.
- Integrated with Blynk IoT platform for remote control, cutting manual monitoring effort by 60%, using Arduino UNO and sensors technology. [\[Demo\]](#)

### Bharat Intern

*Web Developer Intern*

**Sep 2023 – Oct 2023**

- Designed a responsive portfolio using HTML, CSS, and JavaScript, showcasing 5+ projects. [\[Demo\]](#)
- Developed a Temperature Converter website that results in a 20% increase in user engagement and implemented real-time conversion metrics that enhanced user retention by 10%. [\[Demo\]](#)

## PROJECTS

### Smart Dustbin | [GitHub](#)

**Jun 2024 – Jul 2024**

- Engineered a motion-sensing dustbin prototype reducing waste handling time by 25% through automation.
- Tools used - Arduino UNO, ultrasonic sensor, servo motor, 9V battery, LEDs and buzzer.

### Text2Speech | [GitHub](#)

**May 2024 – Jul 2024**

- Developed a functional text-to-voice model with a user-friendly interface, with a 95% accuracy rate in text conversion.
- Improved accessibility for visually impaired users by 50%.
- Tools used – HTML, CSS and JavaScript.

## SKILLS

- Programming: C++, Python
- Database: MySQL
- Web Dev: HTML, CSS, JavaScript, React.js, Node.js
- Others: Power BI, AWS, IoT, GitHub, MS Word, MS Excel, ETL tools

## ACHIEVEMENTS & CERTIFICATIONS

- Finalist in the IIT Madras Shastra Hackathon, 2024
- IBM ICE DAY – Winner of the Technical Paper Presentation, 2023
- Solved 150+ quality problems on LEETCODE and GFG.
- Postman API Fundamentals Student Expert – Postman
- AWS Academy Cloud Foundations – AWS
- HTML, CSS and JavaScript for Web Developers – Coursera