

# AMRIT RAJ

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## PROFILE

Motivated Computer Science student with hands-on experience in web development, IoT solutions, and software engineering. Passionate about leveraging technical skills to solve real-world problems and enhance user experiences.

## EDUCATION

### Bachelor of Technology in Computer Science and Engineering

Jul 2021 – May 2025

Kalasalingam Academy of Research and Education

- Relevant Coursework: Data Structures, Mathematics, Operating System, DBMS, Computer Networks.
- Grade: 8.17/10.0 CGPA

### Intermediate in Science

Apr 2019 – Mar 2021

B.D. College

- Relevant Coursework: Physics, Chemistry and Mathematics.
- Grade: 76.2%

## EXPERIENCE

### Student Intern | IBM Phemesoft

Jun 2024 – Jul 2024

- Deployed an automated dustbin prototype that reduced waste handling time by 25% through automation.
- Composed remote control capabilities using Blynk IoT cloud platform, cutting manual monitoring effort by 60%, with Arduino Uno and sensors technology. [[Demo](#)]

### Web Developer Intern | Bharat Intern

Sep 2023 – Oct 2023

- Designed a dynamic and responsive portfolio using HTML, CSS, and JavaScript to showcase 5+ projects. [[Demo](#)]
- Created 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](#)]

## TECHNICAL PROJECTS

### LifeLine Connect | [GitHub](#)

Dec 2024 – Apr 2025

- Built a full-stack mental health platform using HTML5, CSS3, and JavaScript, featuring AI chatbots, mood tracking, and emergency SOS integration.
- Implemented responsive UI/UX with GSAP/Three.js animations, achieving 95% mobile compatibility and seamless user interactions.
- Organised peer-support systems including anonymous chat and success story sharing to foster community healing.

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

Jun 2024 – Jul 2024

- Engineered an innovative motion-sensing dustbin prototype that automated waste collection processes, leading 25% reduction in waste handling time.
- Tech used: Arduino Uno, ultrasonic sensor, servo motor, 9V battery, LEDs and buzzer.

### ImageToPDF Converter | [GitHub](#)

May 2025 – Jun 2025

- Developed a responsive web app that converts multiple images to pdf using pdf-lib.js with 3 compression options.
- Integrated drag-and-drop file upload along with before conversion and reduced load time by 30%.

## SKILLS

- **Programming Languages:** C/C++ (DSA), Python
- **Database:** MySQL, PL/SQL
- **Web Development:** HTML, CSS, JavaScript, ReactJs, NextJs, Node.js, Bootstrap
- **Tools:** Power BI, Google Cloud Platform, MS Office, IoT, GitHub, OOP
- **Soft Skills:** Problem Solving, Communication, Team Player, Time Management

## ADDITIONAL INFORMATION

- **Languages:** English, Hindi
- **Certifications:** HTML, CSS and JavaScript for Web Developers (Coursera).
- **Awards/Activities:** Finalist in the IIT Madras Shastra Hackathon (2024), IBM ICE DAY Winner of the Technical Paper, Presentation (2023), Solved 200+ quality problems on LEETCODE and GFG.