

# Asha A

Kallazhi Puthanveedu, Chalissery, Palakkad  
Perumannur(PO), PIN: 679536

+91 96451 83094  
ashaaofficial07@gmail.com  
linkedin.com/in/asha07a

## PROFILE SUMMARY

---

Enthusiastic MSc Computer Science graduate with expertise in Java, SQL, and full-stack web development (React, JavaScript, HTML, CSS). Experienced in developing responsive web applications and implementing software solutions using modern frameworks. Quick learner with strong problem-solving skills, eager to contribute to innovative software engineering projects.

## EDUCATION

---

- **Mahatma Gandhi University (School of Computer Sciences)** 2022–2024  
MSc Computer Science — 78%
- **University of Calicut (College of Applied Sciences, IHRD)** 2019–2022  
BSc Computer Science — 80%
- **GHSS Chalissery** 2017–2019  
Higher Secondary, Kerala State Board — 86%

## TECHNICAL SKILLS

---

### Java

- Solid grasp of OOP principles: Encapsulation, Inheritance, Polymorphism, Abstraction.
- Proficient in method creation, overloading, and overriding.
- Skilled in loops, decision-making statements, and logic-based programming.
- Experience with String handling ('String', 'StringBuffer', 'StringBuilder') and arrays.
- Knowledge of Java I/O, Collections ('ArrayList', 'HashMap'), and exception handling.

### Hibernate

- Understanding of ORM and entity mapping using annotations.
- Skilled in CRUD operations and HQL queries.

**HTML:** Proficient in semantic HTML, forms, tables, and web page structuring.

**CSS:** Knowledge of styling, Flexbox, Grid, animations, and responsive design.

### JavaScript

- Proficient in variables, functions, loops, and event handling.
- Familiar with DOM manipulation and ES6+ features (let/const, arrow functions, template literals).

### React

- Skilled in building interactive UI with JSX and functional components.
- Experienced with state management using 'useState', 'useEffect', and props.

### SQL

- Strong understanding of RDBMS concepts and SQL fundamentals.
- Skilled in DDL, DML, DCL, TCL, and DQL statements.
- Proficient in joins, subqueries, grouping, and SQL functions.
- Experience with views, pseudo columns, and Oracle SQL\*Plus.

## PROJECTS

---

- **To-Do List Web App** 2025  
Built a responsive task management application with add, delete, and mark-complete features. Implemented state management using React hooks.  
**Tech:** React.js, HTML, CSS, JavaScript
- **Weather App** 2025  
Developed a web application to display real-time weather information using a public weather API. Implemented dynamic DOM updates for user inputs.  
**Tech:** JavaScript, HTML, CSS, OpenWeather API
- **Food Delivery Website (Frontend)** 2025  
Designed and implemented a responsive food delivery website frontend with menu display, cart functionality, and modern UI styling.  
**Tech:** React.js, HTML, CSS
- **Efficient Compression of MRI Images Using Deep Learning Techniques** 2024  
Developed a two-stage approach using Attention U-Net for MRI segmentation and Autoencoder for compression. Focused on compressing non-ROI areas while preserving diagnostic quality. Achieved PSNR of 34 with reduced storage requirements.  
**Tech:** Python, TensorFlow, Attention U-Net, Autoencoder

## CERTIFICATIONS

---

- SQL (Oracle) — Database Queries, Joins, Functions (2025)
- Advanced Deep Learning Techniques — Transfer Learning, AutoEncoders, LSTM, GAN (2024)