

# USHA M

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## CARRIER OBJECTIVE

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To work for an organization which provides me the opportunity to improve my skills and knowledge to grow along with the organization objective.

## EDUCATION

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Meenakshi College for Women

2023 – 2025

MCA - Master of Computer Applications - **Percentage - 83.74**

Chennai, Tamil Nadu

Sri Kanyaka Parameswari Arts and Science College for Women

2020 – 2023

BCA - Bachelor of Computer Applications - **Percentage - 82**

Chennai, Tamil Nadu

Muruga Dhanushkodi Girl's Higher Secondary School

2019 – 2020

XII - **Percentage - 76**

Chennai, Tamil Nadu

A.E.M. Matriculation Higher Secondary School

2017 – 2018

X - **Percentage - 84**

Chennai, Tamil Nadu

## PROJECTS

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LPG Gas Leakage Detection System

Feb 2025

- Built an IoT-based system to detect LPG gas leaks and alert users in real-time to prevent accidents.
- Enhanced safety through automation and early warning system, suitable for domestic and industrial environments.
- Integrated GSM module (SIM900A) to send real-time SMS and call alerts to users upon gas detection.
- Implemented an alarm system using buzzer and LED indicators to provide immediate on-site alerts.

Crime Rate Prediction

April 2023

- Developed a model to predict crime rates based on historical crime data and demographic features.
- Performed data preprocessing, feature selection, and visualization to understand crime trends across regions.
- Built a simple front-end interface to input location data and display prediction results.

## TECHNICAL SKILLS

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**Languages:** Java, Python, XML

**Databases:** SQL

**Web Development:** HTML, CSS

**Developer Tools:** MS-office Suite, VS Code, Arduino, Canva

**Agile Methodologies**

## CERTIFICATIONS

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- NCVTE Diploma in java programming
- Certification in IOT
- Mobile Application Development
- Google Data Analytics Professional Certificate

## EXTRACURRICULAR

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- Eco club member in Sri Kanyaka Parameswari Arts and Science college for women, Muruga Dhanushkodi girl's hr. sec. school
- Teaching

## ACHIEVEMENTS

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- Secured full marks in Computer Science in Class 12.

## PERSONAL STRENGTH

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- Servant-Leadership
- Creative Thinker
- Self-motivated