

Vedha Dharshini J

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Objective

Motivated and detail-oriented B.Tech Information Technology graduate from SASTRA Deemed University, eager to begin a career in the tech industry. Seeking a challenging role in a dynamic and growth-driven environment where I can apply my technical skills, learn continuously, and contribute effectively to the success of the organization.

Skills

Languages: Java, Python

Web Development: HTML, CSS, JavaScript

DataBase: MySQL, MongoDB

Framework: React, Node, Spring

Developer Tools: Git, Docker, Jenkins

Interpersonal Skills: Communication, Problem Solving, Adaptability, TeamWork

Interest: Travel, Cooking, Craft Works

Education

SASTRA DEEMED UNIVERSITY

2025

B.Tech Information Technology

- CGPA: 8.2138

CARMEL'S MATRICULATION HIGHER SECONDARY SCHOOL

2021

Higher Secondary : Class 12

- Percentage : 93.83

CARMEL'S MATRICULATION HIGHER SECONDARY SCHOOL

2019

Higher Secondary : Class 10

- Percentage : 91.80

Work Experience

Intern – Java Developer

Mphasis, Chennai, Jan 2025 – May 2025

- Gained hands-on experience with Docker for containerization and Jenkins for CI/CD automation.
- Designed and developed RESTful web services and backend logic using Java and Spring Boot frameworks.
- Created and managed CRUD operations with Spring Data JPA, and validated endpoints using Postman for efficient testing.
- Acquired foundational knowledge of Microsoft Azure services and cloud deployment workflows.

Projects

Optimal Feature Engineering Strategies For Machine Learning Based Prediction of Heart Diseases with Explainable AI

- Aimed to expand knowledge on machine learning applications in healthcare, with a focus on heart disease prediction.
- Utilized various machine learning models to predict the presence of heart disease based on medical data.
- Applied Principal Component Analysis (PCA) for dimensionality reduction to improve model efficiency and performance.
- Implemented cross-validation techniques to ensure robust and reliable evaluation of model accuracy.
- Integrated Explainable AI (XAI) methods to interpret and analyze model predictions, enhancing transparency and trust in the results.

Banking Application Using Spring Boot

- Built a banking system with features like account creation, login, deposit, withdrawal, fund transfer, and transaction history.
- Integrated loan approval prediction using a machine learning model.Used MySQL for storing user data, transactions, loan details and so on.
- Ensured secure access and operations using Spring Boot and RESTful APIs.

Publications

A Modern Approach For Recommending Crops Using Novel Machine Learning Techniques, ICRTCEI-2022

2022