

# SWETHA THAMPI M

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## Education

<b>Vellore Institute of Technology,Bhopal</b> , Integrated M.Tech in Artificial Intelligence	Sept 2022 – May 2027
• GPA: 8.18/10	
<b>Govt.HSS Balaramapuram,Trivandrum,Kerala</b> , XII	June 2021 – May 2022
• Perc: 97%	
<b>St.Chrysostoms GHSS, Trivandrum,Kerala</b> , X	June 2019 – May 2020
• Perc: 98%	

## Technical skills

**Languages:** C++, Python, MySQL

**Technologies:** PowerBI, Tableau, Microsoft SQL Server

## Projects

<b>Intrusion Detection using Machine Learning Algorithms</b>	June 2023 – Oct 2023
<ul style="list-style-type: none"><li>Developed a model to detect various network attacks using RNNs</li><li>Enhanced intrusion detection accuracy by training and optimizing the RNN model on NSL-KDD dataset</li><li>Researched and compared the effectiveness of different machine learning paradigms in detecting novel and known network attacks, documenting findings and recommendations</li></ul>	
<b>Online Payment Fraud Detection</b>	Jan 2025 – Apr 2025
<ul style="list-style-type: none"><li>Developed a model for online payment fraud detection achieving over 97% accuracy</li><li>Implemented and compared various ML algorithms including XGB and Random Forests to optimize fraud detection and accuracy and minimise false alarms.</li></ul>	
<b>Advanced Child Immunization management system</b>	July 2024 – Apr 2025
<ul style="list-style-type: none"><li>Designed and implemented a user friendly interface for managing patients and vaccine information</li><li>Implemented personalised immunization schedules with automated reminders and alerts for upcoming vaccinations</li><li>Facilitated immunization history and report generation for parents and healthcare providers.</li></ul>	

## Certifications

<b>IBM AI Professional Certification - Courseera</b>	Dec 2023
<b>SQL(Advanced) Certificate – HackerRank</b>	Dec 2024
<b>Career Essentials in Data Analysis by Microsoft and LinkedIn</b>	July 2025