

# Nithin Anaparthi

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## EDUCATION

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### Wright State University

Master of Science in Computer Science(pursuing)

Dayton, Ohio, US  
Aug2024 -May2026

### Vellore Institute of Technology(Vellore)

Computer Science with specialization Data Science, Bachelor of Technology, CGPA: 7.97.

Tamil Nadu, India  
May2020-May2024

## SKILLS

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**Programming Languages:** Java, Python, C/C++, R, PHP, Javascript

**Software Development and Frameworks:** Data Structures and Algorithms, Machine learning, Cryptography

**Web Development Frameworks:** React, Express js , Figma ,Tailwind CSS

**Databases:** MongoDB, PostgreSQL, MYSQL

## PROJECTS

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### Machine Learning Model for Brain Tumor Detection Using MRI Images

- Developed an AI model using ANN and CNN for accurate brain tumor detection from MRI images, achieving over 97% predictive accuracy through advanced data preprocessing and augmentation techniques.
- Led a research team to create an ensemble model, enabling rapid diagnosis to assist radiologists in making informed decisions.

### MachineStreamlined Online Food Ordering System

- Designed and implemented an online food ordering system using PHP, MySQL, and Vanilla CSS, enhancing customer service and operational efficiency with distinct client and admin interfaces.
- Enabled real-time order updates, comprehensive menu management, order oversight, and analytics, improving dining experiences and operational insights.

### Secure Chat Application Developer (AES Encryption)

- Engineered a chat application with AES encryption to ensure end-to-end secure communication, incorporating session timeouts, biometric authentication, and screenshot restrictions for enhanced user privacy.
- Conducted research on cryptographic techniques, resulting in an educational module about AES operations included within the application.

### Calorie Burn Prediction Model

- Developed a predictive tool using SLA, Branching Analysis, Ensemble Analysis, SVA, and Gradient Boosting to estimate energy expenditure based on exercise duration and heart rate, aiding in effective fitness and nutrition tracking.
- Refined datasets and structured data attributes to build statistical models, demonstrating proficiency in statistical modeling and a commitment to enhancing personal health through technology.

## CERTIFICATION

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- E-Train India-** AI-900: Microsoft Azure AI Fundamentals
- NEO COLAB:** Data Structures & Algorithm concepts offered by iamneo.

## PUBLICATIONS

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**Title:** "EMPLOYING A DECENTRALIZED APPLICATION BASED ON WEB 3.0" in International Research Journal of Modernization in Engineering Technology and Science.

DOI : <https://www.doi.org/10.56726/IRJMETS31226>

Date: 15-NOV-2022