

# Jai Nithish N

Software Developer

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## EDUCATION

### Velammal college of Engineering and Technology Madurai

2021 - 2025

8.14 CGPA

Courses

- Information Technology

### Mahatma Montessori School Madurai

2020 - 2021

80%

Courses

- 12th

## WORK EXPERIENCE

### Intern

#### Tarcin Robots

01/2023 - 02/2023

Madurai

Achievements/Tasks

- worked on CAD projects involving Arduino UNO
- build an DIY dancing robot named Otto

## PROFESSIONAL DEVELOPMENT

### NIT TRICHY -Artificial Intelligence Workshop

many concepts, techniques, and algorithms in machine learning, beginning with topics such as classification and linear regression and ending up with more recent topics such as working with neural network, network training and adaptive training

### REACT Js Workshop

learnt how and show you how to develop and enhance web apps using the features of the React framework with interesting examples and exercises. The workshop starts by demonstrating how to create your first React project.

### KALASALINGAM UNIVERSITY

participated in 3 competitions involving programming knowledge named SQLKNIGHT,MAKEATHON,REPIT worked on several concepts involving SQL,HTML,CSS,Javascript.Also placed as an finalist in makeathon.

### NPTEL Python Examination

I scored 75% on the NPTEL Python examination. This accomplishment reflects my proficiency in Python programming concepts. The exam tested various skills, including coding, problem-solving, and understanding of core Python functionalities. This score demonstrates a solid grasp of the language and its applications.

## TECHNICAL SKILLS

HTML

Python

Java

CSS

C++

Machine Learning Basics

## KEY PROJECTS

### Brain Tumour detection using Machine Learning (2023 - 2024)

- Our proposed deep learning model showed promising results, accurately identifying the presence and precise location of brain tumors in MRI images.
- we aim to enhance the diagnostic capabilities for patients and medical practitioners in the challenging battle against brain cancer.
- The complexity of small tumor identification warrants ongoing research in brain tumor identification and continuous refinement of our detection systems.

### BiteBliss Food recipe/delivery app (2024 - Present)

- worked on an app that provides food recipes, location of the nearest super market containing the product or provides shop location to purchase the food .
- app is still under development , working on the app using React native,MongoDB,Javascript,Android Studio

### Vehicle Detection Based On Adaptive Multimodal Feature Fusion And Cross-modal Vehicle Index Using RGB-T Images (2023 - 2024)

- Developed an adaptive method to effectively fuse RGB (visual) and thermal (T) images, enhancing vehicle detection accuracy in diverse environmental conditions by leveraging complementary features from both modalities.
- Implemented a cross-modal indexing system that improves the identification and tracking of vehicles across RGB-T images, ensuring robust detection performance regardless of variations in lighting or temperature.

## CERTIFICATES

### Python 101 for Data Science

Learned Python programming basics tailored for data science, including data manipulation, visualization, and basic statistical analysis.

### Google Data Analytics issued by Coursera

Gained an immersive understanding of the practices and processes used by a junior or associate data analyst in their day-to-day job

### The Complete Python Bootcamp From Zero to Hero in Python

Acquired proficiency in Python programming, mastering fundamental concepts and data structures through comprehensive coursework.

### Algorithmic Toolbox from UC San Diego University

learnt essential algorithms for efficient problem-solving, emphasizing practical implementation and analysis of algorithmic efficiency. 4o