

Yashvanth Karunakaran

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 yashix |  Yashvanthk05

Chennai, Tamilnadu, India

OBJECTIVE

Motivated third-year Computer Science (AI/ML) student with a strong passion for learning and innovation. Eager to grow by exploring new technologies and contribute meaningful projects to the open-source community.


EXPERIENCE

- **Center for Cyber Physical Systems, VIT Chennai** May 2024 - May 2025
Research Intern Chennai, Tamilnadu
 - Worked on AI/ML-based solutions for cyber-physical systems.
 - Implemented machine learning models to improve system accuracy in real-time data processing.
 - Analyzed large datasets to extract meaningful patterns and insights.
 - Collaborated with faculty and peers to write technical reports.

EDUCATION

- **Vellore Institute of Technology** June 2023 - June 2027
B.TECH, Computer Science with Specialization in AIML Chennai, Tamilnadu
 - * GPA: 9.73/10.00
- **Devi Academy Senior Secondary School** April 2022 - April 2023
AISSCE, PCMC Chennai, Tamilnadu
 - * Grade: 96.2%
- **Devi Academy Senior Secondary School** April 2020 - April 2021
AISSE Chennai, Tamilnadu
 - * Grade: 97.2%

PROJECTS

- **Chefy: Intelligent Food Suggestion System to Reduce Kitchen Waste** April 2025
Tools: Python, OpenCV, TensorFlow, FastAPI, NextJS, Pandas, NumPy 
 - * Detected kitchen ingredients from images using OpenCV by Fine Tunning YoloV5.
 - * Suggested Indian recipes based on available ingredients.
 - * Built a simple NextJS UI for easy user interaction.

SKILLS

- **Programming Languages:** C, C++, Java, Python, Javascript
- **Web Technologies:** HTML, CSS, NodeJS, ExpressJS, ReactJS, NextJS
- **Database Systems:** SQL, MongoDB, Firebase
- **Data Science & Machine Learning:** Numpy, Pandas, Tensorflow, Scikit

WEBSITES BUILT

- [VASSIST - PYQ's for VIT Chennai Students](#)
- [VBlog - Blogging Sit for VIT Students](#)
- [Ecocart](#)

CERTIFICATIONS

- [Machine Learning, Stanford & Deeplearning.AI](#) December 2024
- [Introduction to Programming with Python by Harvard University](#) May 2025