

Yashvanth Karunakaran

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SUMMARY

Computer Science undergraduate student seeking a Software Development Intern position. Proficient in C++, Java and Python with solid understanding of data structures, algorithms, and object-oriented programming.

EDUCATION

Vellore Institute of Technology, Chennai (*Rank Holder*)

05/2023 – 05/2027

B.Tech. in Computer Science and Engineering

CGPA: 9.75 / 10

Specialization: Artificial Intelligence and Machine Learning

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, JavaScript, Go

Web Development: HTML, CSS, React.js, Next.js

Databases: MongoDB, MySQL, PostgreSQL

Tools and Technologies: Git, GitHub, NumPy, Pandas, Matplotlib

Core Competencies: Data Structures, Algorithms, Object-Oriented Programming (OOP), Problem Solving

EXPERIENCE

Research Intern

05/2023 – 05/2024

Center for Cyber Physical Systems

Vellore Institute of Technology, Chennai

PROJECTS

VASSIST - Academic Resource Web Application

GitHub

Technologies: Next.js, Google Drive API

- Developed a web platform serving 10+ students with access to 5+ years of previous years' questions.
- Implemented subject filtering and faculty-specific tagging features.
- Built a responsive user interface with modern web technologies.

VIT FFCS Planner

GitHub

Technologies: React.js, JavaScript, Local Storage

- Created a dynamic timetable planning application with real-time rendering.
- Implemented a slot conflict detection algorithm to prevent scheduling errors.
- Developed local storage functionality to retain user preferences.

CERTIFICATIONS

- Harvard CS50x - Introduction to Computer Science (edX): C, Python, Web, and Algorithms.
- Harvard CS50p - Programming with Python (edX): File input/output and data structures.
- Machine Learning - DeepLearning.AI (Coursera): Regression, classification, neural networks.

ACHIEVEMENTS

- Won Juice Shop CTF Competition - Demonstrated cybersecurity and web vulnerability assessment skills.
- Won Web Works Hackathon - Developed an innovative web application under time constraints.
- Ranked 2nd among 500+ students in AIML department, VIT Chennai (03/2025).
- Ranked in top 9 of 300+ students in Electronics and Computer Engineering (03/2024).