

# Vattikonda Sai Jayanth

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🌐 [Sai Jayanth Vattikonda](#)

🔗 [saijayanth-vattikonda](#)

## Education

### Vellore Institute Of Technology

Bachelor of Science in Information Technology (CGPA: 9.34 / 10.00)

2021-Present

Vellore, TamilNadu

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming System, Database Management System, Operating Systems, Computer Networks, Software Engineering, Artificial Intelligence

### Narayana Educational Institute

Board of Intermediate Education, MPC (Percentage: 96.8%)

2019-2021

Hyderabad, Telangana

### New Vision High School

Board of Secondary Education (CGPA: 10.00/10.00)

2010-2019

Khammam, Telangana

## Experience

### Samsung

R&D Research Project Intern

Feb 2024 – July 2024

Remote

- Implemented microservices architecture using Node.js and Express, improving API response time by 25% and reducing server load by 30%.
- Led a cross-functional team in implementing a new feature using React and Redux, resulting in a 20% increase in user engagement within the first month.
- Optimized MySQL database queries, reducing page load times by 15% and enhancing overall application performance.

## Projects

### Quiz App | HTML, CSS, JavaScript, jQuery, Json, Node.js, MongoDB, Express

- Developed and deployed an interactive and user-friendly full-end web application aimed at enhancing the online quiz experience for both faculty and students.
- Implemented a secure authentication system allowing faculty members to log in, create, and manage a database of quiz questions.
- Designed a dynamic quiz generation system where students receive a random set of 5 questions per session, ensuring a unique quiz experience every time.
- Built a robust backend using [Node.js/Express], ensuring efficient data handling and storage.

### Smart Parking System using ESP8266 | Arduino Programming, Internet of Things

- Developed an innovative parking system using the ESP8266 WiFi module, enabling real-time monitoring and management of parking spaces.
- Designed and implemented a web application template to access and visualize data from the WiFi module, leveraging Adafruit IO for efficient data handling and presentation.
- Enhanced user experience by providing an intuitive interface for users to check parking availability and manage parking spaces remotely.

### Real time Gait disorder analysis using SVM and KNN classifiers | Python, scikit-learn, Pandas, NumPy

- Collaborated with a faculty member Dr. KishoreRaja P C from VIT Vellore on a research project focused on the real-time Gait disorder analysis using SVM and KNN classifiers.
  - Utilized pre-trained models and datasets to analyze gait patterns and identify potential disorders.
  - Conducted data preprocessing and feature extraction to improve the accuracy of the models.
- [Research Paper]

## Competitive Programming

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- **LeetCode** ([sai\\_jayanth](#))
  - Problems Solved: 300+
  - Contest Rating: 1500
- **Codeforces** ([saijayanth](#))
  - Problems Solved: 120+
  - Contest Rating: 1000
- **Coding Ninjas** ([sai\\_jayanth](#))
  - Problems Solved: 200+

## Technical Skills

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**Languages:** C++, Java, C, SQL, Python

**Technologies:** HTML, CSS, JavaScript, Express.js, jQuery, Bootstrap, Node.js, MongoDB, React.js

**Concepts:** Data Structures And Algorithms, Operating System, Database, Object-Oriented Programming System, Artificial Intelligence, Machine Learning, Internet Of Things, Arduino Programming

## Achievements

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- **LeetCode Daily Coding Challenge**
  - Maintained a streak of over 200 consecutive days of coding on LeetCode, successfully tackling daily challenges and enhancing problem-solving skills over 7 months.
- **VIT Value Added Course: Industry and 4.0 Enabling Technologies**
  - Completed a comprehensive Value Added Course from VIT, focusing on Industry 4.0 Enabling Technologies. [\[Certificate\]](#)
- **Flipkart Grid 5.0 Software Development Track**
  - Participated in Flipkart Grid 5.0 Software Development Track, showcasing skills in software development and problem-solving. [\[Certificate\]](#)

## Social Engagements

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**Coordinator:** Student Coordinator for the Annual International Sports and National Cultural Festival Riviera'24.

**Club Member:** at IEEE-IAS Chapter (Technical) at VIT, Vellore, and Sahiti TLA Club (Cultural) at VIT, Vellore.

**Sports-Engagements:** Badminton, Cricket, Volleyball.