

# PUSARLA TARUN VAMSI

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Tarun Vamsi

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## EDUCATION

### B. Tech : Computer Science and Engineering

Amrita Vishwa Vidyapeetham - **CGPA - 7.51**

2020 - Present

Coimbatore, Tamilnadu

### Board of Intermediate Education Andhra Pradesh

Tirumala Junior College - **Percentage - 95.3%**

2018 - 2020

Rajahmundry, Andhra Pradesh

### Board of Secondary Education Of Andhra Pradesh

Tirumala English Medium High School - **CGPA - 10.00**

2017 - 2018

Rajahmundry, Andhra Pradesh

## PROJECTS

### News category identification with Machine Learning | Nov 2022- Jan 2023

- Objective of this project is to implement ML models for classification of news into accurate category
- Classify news into categories based on their headline. Various classifiers were tried - Decision Tree, Support Vector Classifier, Multinomial Naive Bayesian Classifier, Logistic Regression, Random Forest.
- Tools used: Google Colab, Python, Scikit Learn Library

### Occupancy Chart Generation and Class Room Allocation | Mar 2023- Jun 2023

- Designed a web application for admin, faculty, students to access the information of classrooms and optimisation of classrooms according to the requirements.
- Role: Scrum Master, Developer, Tester
- Tools used: VS code, XAMPP, Jira, Selenium, Sonarqube, Jenkins
- Languages used: Html, Css, Php, JavaScript

### Smart Garbage Monitoring System with Iot | Mar 2023- Jun 2023

- Measures the level of the dustbin using ultrasonic sensors and send real time notifications, and Stored the data in the AWS cloud and done data analytics in AWS cloud
- Trained a deep learning model to segregate the waste using conveyor belt
- Components used: ESP32, GSM Sim800L, AWS cloud, Conveyor Belts, Arduino

### Real Time RoomChat WebApp using WebSockets | Nov 2023

- Implemented real-time chat functionality using WebSockets and the Bun framework, facilitating dynamic communication in chat rooms.
- Developed dynamic real-time chat app enabling users to join various rooms. Implemented room subscriptions, messaging, and dynamic updates for active user lists.
- Techniques used: Backend -BUN(Websockets Framework) , Zod library(Validation), Deployed in AWS cloud

## COURSEWORK / TECHNICAL SKILLS

**Course Work:** Computer Networks, DBMS, software engineering

**Languages:** Python, JAVA, SQL.

**Technologies/Frameworks:** HTML5, CSS, JavaScript

## CERTIFICATIONS

Cisco Certified Network Associatev7: Introduction to Networks

August 2022

Networking Fundamentals in Google Cloud

December 2023

## ACHIEVEMENTS And EXTRA-CURRICULAR ACTIVITIES

- Got a fee scholar ship in Amrita Vishwa Vidyapeetham for getting AIR 41 in AEEE
- Member of ACE (Amrita Center for Entrepreneurship) Club
- Interested in Photography and Travelling