

Shatvika Shadvini Tirumalagiri

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Education

VNR Vignana Jyothi Institute of Engineering and Technology <i>B.Tech in Computer Science and Business Systems — CGPA: 9.21/10</i>	<i>2021 – Present</i>
Sri Chaitanya Junior College, Hyderabad <i>SSC in MPC — Percentage: 98.2</i>	<i>2019 – 2021</i>
Harvest Public School, Khammam <i>CBSE — Percentage: 96.5</i>	<i>2018 – 2019</i>

Projects

GAME 101: An Online Gamified Learning Platform

- Developed an interactive online learning platform using MERN stack and Unity, incorporating gamified elements to enhance student engagement in online labs.
- Used MERN , UNITY Engine

Lost and found Hub Application

- Built an efficient system to report and recover lost items, offering a user-friendly interface to streamline item retrieval processes.
- Used ASP.NET, SQL Server

BookMyVNRide Application

- Developed a web-based solution for students to reserve bus seats, manage bookings, and download passes with seamless functionality.
- Used ASP.NET, SQL Server

Lung Cancer Prediction

- Created a predictive model to identify potential lung cancer cases using clinical and demographic data, aiding early diagnosis.
- Used Python, Machine Learning

Skills

Languages: C++, C, Python , Java , SQL , HTML , CSS , JavaScript

Web Development: .NET, NodeJS, ReactJS, MongoDB, Express, Bootstrap

Technologies/Tools: Unity engine, Microsoft SQL Server, Git, Visual Studio, VS Code

Participations & Achievements

- **Implementation Paper:** “Game 101: An Online Gamified Learning Platform for Data Structure and Algorithms” accepted for presentation at ICTBIG2023, IEEE (To be published in IEEE Xplore).
- Participated in **Amazon ML Summer School 2023**, Gained expertise in machine learning concepts through virtual workshops led by industry professionals.
- Developed a website addressing homelessness for **Webathon 2023 (ACM Student Chapter)**.
- Finalist in **Design-A-Thon 2023**, where a sustainable car application was developed.

Certifications

- **NPTEL Certification in Programming in Java, 2023** 🔗 - Secured a Top 1% score in the course.
- **Coursera Certification in Version Control with Git, 2023** 🔗 - An online non-credit course authorized by Atlassian and offered through Coursera.