

# SRICHARAN PAYYAVULA

B.TECH  
Computer Science and Engineering  
Vellore Institute of Technology, Amaravati

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## EDUCATION

- |                                                                                                                                                      |                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| • <b>VIT-AP University, Amaravati</b><br><i>Computer Science and Engineering with Specialization in Artificial Intelligence and Machine Learning</i> | NOV 2021 - Present<br>CGPA: 9.31      |
| • <b>Narayana Junior College</b><br><i>Physics - Chemistry - Mathematics, APBIE</i>                                                                  | Apr 2019- Aug 2021<br>Percentage: 94  |
| • <b>Narayana Group of Schools</b><br><i>Central Board of Secondary Education, CBSE</i>                                                              | Jun 2018 - Apr 2019<br>Percentage: 83 |

## EXPERIENCE

- **FLIGHT PROFILE PLAYBACK** [Link](#)  
*DRDO-DLRL*
- Developed a 3D aircraft simulation and visualization application using Cesium and CZML.
  - Created CZML scripts to define aircraft paths, data patterns, orientation, and animations using Python.
  - Integrated CZML files and 3D models into the cesium framework.

## PROJECTS

- **Image Caption Generation** [Link](#)  
*Group Project (4 Members)*
- \* Developed an innovative solution for image captioning using Inception V3 with LSTM model
  - \* Automatically generates descriptive and contextually relevant captions for a wide range of images.
  - \* We have designed a website that analyzes image content and automatically generates contextually relevant captions as output.
- **Farm2Home** [Link](#)  
*Group Project (3 Members)*
- \* FARM2HOME connects farmers, warehouses, and customers through a website built with HTML, CSS, and JavaScript, ensuring fair pricing, quality control, and real-time market insights.
  - \* This platform also offers real-time market data, helping farmers make informed decisions and maintain consistent demand, fostering a more efficient and transparent supply chain.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Java, Python, HTML, CSS, JavaScript, SQL  
**Relevant Coursework:** Data Structures and Algorithms, Operating System, Object Oriented Programming System, Database Management System, Computer Networks, Deep Learning, Natural Language Processing  
**Soft Skills:** Teamwork, Communication, Leadership

## CERTIFICATIONS

- **Web development and Designing** by Oasis Infobyte [Certificate](#)  
– **Introduction to cryptography and network security** by NPTEL [Certificate](#)

## POSITIONS OF RESPONSIBILITY

- **Design Team Lead** [NGC, Null chapter clubs] [OCT 2022 - OCT 2023](#)  
\*Mentored over 20+ members, helping them develop their design skills and execute projects effectively.
- **VINN Expo 2024** [VIT-AP] [FEB-28,2024](#)  
\*Assisted in organizing and managing event logistics for VINN Expo 2024 .Supported event operations, including setup, registration, and attendee coordination.

## ACHIEVEMENTS

- **Secured 1st place in BUG CRUSH Event**, by NGC VITAP CLUB [Jun 2023](#)
- **Resolved over 200+ complex algorithmic problems on competitive coding platforms**, Leetcode, TUF+