

# V TILAK



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## CAREER OBJECTIVE

A passionate and innovative Computer Science graduate eager to explore cutting-edge technologies like AI-ML. Driven by curiosity and creativity, I strive to contribute meaningfully to forward-thinking projects, continuously learn, and grow as a dynamic performer in a collaborative tech environment.

## EDUCATION

- B.Tech in Computer Science and Information Technology**  
Siddarth Institute of Engineering and Technology, Puttur **CGPA: 7.4 | May 2025**
- Intermediate (MPC - Mathematics, Physics, Chemistry)**  
Satyam Junior College, Sullurpeta **CGPA: 7.6 | July 2021**
- High School (SSC)**  
Padmavathi Vidhyalaya, Sullurpeta **CGPA: 5.8 | May 2019**

## INTERNSHIPS

### Python Web Development

Nov – Dec 2023

- Developed dynamic web applications using Python frameworks like Flask/Django, focusing on backend logic, database integration.
- Collaborated in a team environment to design and implement user-friendly interfaces using HTML, CSS, and JavaScript.
- Contributed across all stages of the development lifecycle, including planning, coding, testing, and deployment, while strengthening abilities in problem-solving, quality assurance, and technical documentation.

## PROJECTS

### Predicting Neonatal Cardiac Arrest in the CICU

April 2025

- Designed and developed a machine learning model to predict the likelihood of cardiac arrest in neonates admitted to the Cardiac Intensive Care Unit (CICU), aiming to support early medical interventions.
- Collected and preprocessed real-time clinical datasets consisting of vital parameters like heart rate, respiratory rate, oxygen saturation, and blood pressure.
- Applied feature engineering and data normalization techniques to enhance model performance.
- Implemented various supervised learning algorithms (Random Forest, Logistic Regression, KNN, etc.), and evaluated them using metrics like accuracy, precision.
- Visualized important risk factors and model insights using Seaborn and Matplotlib for interpretability by medical professionals.

## TECHNICAL SKILLS

- Languages : Python, Java.
- Web Technologies : HTML, CSS.
- Editing Tools : Premiere Pro, After Effects.

## CERTIFICATIONS

- Internet of Things - NPTEL **October 2024**
- Cybersecurity Basics - edX **April 2024**

## ACHIEVEMENTS

- State Team Player - Hand Ball[2022-23]
- National Team Player - Rugby[2018-19]