NUNNA TARUN VENKATA SAI

✉ nunnatarun123@gmail.com

📞 +91 9392396625

📍 Tirugudumetta , West Godavari , Andhra Pradesh

in Linkedin ▪ Hackerrank ⦿ Github ⬆ LeetCode 👨‍🍳 Codechef

CAREER OBJECTIVE

I am a motivated engineering graduate with a strong foundation in Python, Machine Learning, and Data Analytics, seeking an entry level position to leverage my technical expertise and hands-on project experience. I am eager to contribute to innovative solutions in a collaborative environment, continuously learning and growing in the fields of software development, data-driven problem-solving, and AI applications, while delivering impactful results that align with organizational goals.

EDUCATION

GMR Institute of Technology   *2021-2025*
UG: BTech(Hons) Information Technology   *Rajam, India*
CGPA: 9.79

Tirumala Junior College   *2019-2021*
Intermediate: MPC   *Katheru, India*
Marks: 984/1000

Swarna Bharathi High School   *2018-2019*
CGPA: 9.8   *Dharmavaram, India*

SKILLS

Programming Languages: C, Python, Java
Web Technologies: HTML, CSS, JavaScript, PHP
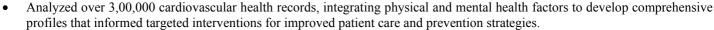**Areas of Interests:** Machine Learning, Deep Learning, Artificial Intelligence, Data Analysis
Software Development: Software Design, Data Structures and Algorithms
Databases: SQL, Database Management Systems (DBMS)
Tools: Git, Visual Studio, Jupyter Notebook, Power BI
SoftSkills: Leadership, Time Management, Creativity, Problem Solving

PROJECTS

Cardiovascular Analysis based on human Physical and Mental Health Conditions 🔗

- Analyzed over 3,00,000 cardiovascular health records, integrating physical and mental health factors to develop comprehensive profiles that informed targeted interventions for improved patient care and prevention strategies.
- Applied advanced machine learning algorithms (Support Vector Machine, Logistic Regression, Random Forest, Decision Tree) to identify 15 key health factors . Achieved a 25% increase predictive accuracy, improving early diagnosis and patient outcomes.

Attendence management System 🔗

- Developed a web-based Attendance Management System using HTML, CSS, JavaScript, and PHP to automate student attendance tracking for faculty. The application features a responsive interface for easy login, attendance posting, and record retrieval.
- JavaScript validation ensures data accuracy, while a secure PHP backend manages records. Faculty can download reports in various formats, streamlining administrative tasks and improving efficiency in educational settings.
Technologies: HTML, CSS, JavaScript, PHP, MySQL

A Stack Visualizer Using Python. 🔗

- Implemented real-time visualization for key stack operations such as push, pop, and peek, allowing users to follow data flow easily. Built using Python with an intuitive Graphical User Interface (GUI) for enhanced user interaction and learning.

WORK EXPERIENCE

Research Intern - *Andhra University ,Visakhapatnam*   *Aug 2024 - Present*

- Engaged in cutting-edge research focusing on Machine Learning and Deep Learning techniques. Actively involved in designing and implementing algorithms to solve complex problems, with an emphasis on real-world applications.
- Currently developing a pneumonia detection system using deep learning, with a focus on accurate classification and localization of pneumonia in chest X-ray images. Leveraging convolutional neural networks (CNNs) for the prediction.

Asp.net Development Internship - *Schemaxtech Company, Visakhapatnam*   *Jun 2023 - Aug 2023*

- Strengthened front-end development and responsive design skills through hands-on experience, enhancing communication and teamwork abilities by collaborating effectively in a team environment.

CERTIFICATIONS

- Developing AI Applications With Python And Flask by IBM
- Artificial Intelligence and Machine Learning With Python by Coincent, IIT Guwahati
- Google Advanced Data Analytics by google
- Machine Learning: Algorithms in The Real- World Specialization by Alberta Machine Intelligence Institute

EXTRA CIRCULAR AND CO-CIRCULAR ACTIVITIES

Computer Society of India (CSI) – *Student Coordinator*

- Organized and led hands-on workshops on C, SQL, and competitive programming for junior students for junior students, fostering a collaborative learning environment.

ACHIEVEMENTS

- Secured 2nd position in coding event passing code organized by ACM student chapter
- Awarded merit scholarship recognized as Department Topper at GMR Institute of Technology for two consecutive years.
- Completed 460+ coding challenges on LeetCode, enhancing proficiency in algorithms and data structures.