

THRISHALI KOTAGIRI

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EDUCATION

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Bachelor of Technology

Major in Computer Science; Minor in Artificial Intelligence and Data Science

Cumulative GPA: 7.8

Hyderabad, Telangana

Expected Sept 2025

GOVERNMENT POLYTECHNIC

Diploma in Computer Science

Warangal, Telangana

May 2019- May 2022

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C
- **Front-end Technologies:** HTML, CSS, Javascript
- Data Structures and Algorithms
- Data Science and Machine Learning
- DataBase Management System (SQL)

PROJECTS

AI ENABLED PRECISION PAYLOAD DROP AND ALARM GENERATION WITH DRONE

2023

- Collaborated with a 3-member team and engaged in development of prototype on disaster management applications as the primary domain in our project.
- Completed 30-40% of the project; engaged in ongoing efforts to advance the project further in achieving project goals.

HYPOTHYROID PREDICTION IN FEMALES

2023

- Designed a gender-specific algorithm, enhancing accuracy with 90% and sensitivity.
- Enhanced hypothyroid prediction accuracy in females by 30% through analytics.
- Implemented targeted treatment plans based on predictive models, contributing to 25% improvement in patient outcomes.
- Utilized data-driven insights to optimize healthcare strategies, resulting in 55% increase in overall impact.
- Visualized SVM, KNN, Random forest, Logistic Regression and Decision Tree Machine Learning Algorithms performance.
- Implemented Random Forest algorithm to enhance the accuracy of the system by 90%.

SIGN LANGUAGE DETECTION

2022

- Engineered a sign language gesture recognition system with computer vision algorithms; enhanced accessibility for individuals with hearing disabilities, resulting in a 50% increase in effective communication.
- Identifying inefficiencies and implementing process improvements that achieved 15-20% of cost reduction and increase in team productivity.
- Applied Open CV, Convolutional Neural Networks, Tensorflow and other relevant technology and libraries that are integrated with python achieving a 20% reduction in processing time and a 15% increase in overall system efficiency.

ACHIEVEMENTS

Paper Presentation

- Awarded in the participation of VNRVJIET's Annual Technical Symposium, CONVERGENCE 2023;
- Delivered an engaging paper presentation on cloud computing seamlessly incorporating references from influential research papers

E-yantra Innovation Challenge 2023

- Teamed with other 3 members and selected for the prototyping sprint round
- Contributed to build an AI Enabled drone for Precision payload drop and alarm generation in the domain of disaster management.

NASA SPACE 24Hr HACKATHON

- Secured a position among the top 10 in NASA SPACE 24Hr HACKATHON showcasing exceptional teamwork and technical prowess.

SECURED MEDAL IN NATIONAL LEVEL SWIMMING CHAMPIONSHIP

- Achieved several state-level championship medals in breaststroke swimming events.

- Participated in 7 consecutive national swimming championships, showcasing dedication and perseverance.
- Secured a bronze medal in South Zone National Aquatic Championship in Swimming (2016), demonstrating competitive excellence.

CODING PLATFORMS

- [Hackerrank](#)
- [Codechef](#)
- [Leetcode](#)

ADDITIONAL

Technical Skills: Python, Java, C, Data Structures, Data Science and Machine Learning, HTML, CSS , Javascript and SQL

Languages: Fluent in Telugu, English; Conversational Proficiency in Hindi

Certifications & Training: Linux for Beginners in Infosys SpringBoard, Natural Language Processing in NPTEL,Python for Data Science and Machine Learning Bootcamp-Udemy, Industrial Training at IRA OM Technologies

Other Interests:

- Engaged in drawing, video editing, and poster making during my spare time.
- Involved in creating quality, marketable content for stock platforms focusing on building a prominent profile in stock imagery.