KONDAPALLI VENKAT SAI JANARDHAN RAO

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Education

SR University, Telangana, India	**Oct 2022 – May 2026**
Bachelor of Technology in Computer Science	*CGPA: 7.5*

Harvest Co-Operative Junior College, Khammam	**Jul 2020 – Jul 2022**
MPC Intermediate	*Percentage: 65%*

Harvest Public School, Khammam	**Jun 2019 – Jun 2020**
Matriculation	*GPA: 6.0*

Projects/Patents

Bank Management System   **C, JavaScript, MySQL**

- Developed a comprehensive Bank Management System to handle customer accounts, transactions, and reporting.
- Implemented a backend using C for robust performance and efficient processing.
- Designed an intuitive user interface using JavaScript for seamless user experience.
- Integrated MySQL for secure and scalable data storage and management.
- Enhanced operational efficiency and customer satisfaction by automating banking processes.

House Price Prediction   **Python, Jupyter Notebook**

- Developed a predictive model using Python to estimate house prices based on features like location, size, and amenities.
- Implemented machine learning algorithms such as Random Forest and Gradient Boosting to enhance prediction accuracy.
- Performed data preprocessing, feature engineering, and hyperparameter tuning to optimize model performance.
- Generated actionable insights to support real estate decision-making and market analysis.

Security Management System for Public Transit Stations (View)

- Patent Application No. 202541003174 A, published in The Patent Office Journal No. 05/2025 on 31/01/2025.

- Developed a security management system for public transit stations, incorporating a hollow rectangular frame positioned at the entrance.

- Designed an imaging unit to monitor the flow of passengers and a motorized barricade system to allow only one person at a time.

- Integrated a system of thermal cameras and metal detectors to identify metallic threats and suspicious items carried by passengers.

- Implemented a motorized door for passenger restriction and a luggage scanning unit for enhanced security screening.

- Utilized second-level thermal cameras and metal detectors for detecting high-risk objects with increased accuracy.

Internships

AICTE Virtual Internship   **Nov 2024 – Dec 2024**
Java Full Stack Developer (View)   *Eduskills Academy Platform*

- Completed a virtual internship focusing on AI and Machine Learning through the AICTE and Google Developers Platform.
- Acquired hands-on experience in machine learning techniques and applications, including data preprocessing, model building, and evaluation.
- Developed a mini-project implementing a machine learning model for predictive analysis.

AICTE Virtual Internship   **Aug 2024 – Sep 2024**
Cybersecurity Fundamentals   *Palo Alto Networks through AICTE Platform*

- Gained practical knowledge in cybersecurity principles and practices, focusing on network security, threat analysis, and incident response.
- Completed hands-on labs on configuring firewalls, intrusion detection systems, and endpoint security solutions.

- Learned to identify and mitigate common cybersecurity threats such as phishing, malware, and DDoS attacks.
  - Worked on a capstone project to design and implement a basic secure network architecture for a small business scenario.

AICTE Virtual Internship **Jan 2025 – Mar 2025**

Google Android Developer (View) *Eduskills Academy Platform*
  - Completed a virtual internship focusing on Android development through the AICTE and Google Developers Platform.
  - Gained hands-on experience in Android app development, including UI/UX design, API integration, and debugging.
  - Developed a mini-project showcasing a functional Android application.

Technical Skills

Programming Languages: C, Java, Python, JavaScript

Libraries/Frameworks: Scikit-learn, React

Databases: MySQL

Other Achievements (Certifications, Workshops Attended)

AWS Cloud Computing - AWS

AWS Cloud Computing Workshop - AWS (View)

Computer networks - CISCO

Theory of Computation - NPTEL (View)

Data Structures and Algorithms using Python - Udemy

Microsoft Azure AI Fundamentals - Microsoft