

SAI RAM KONDABATTULA

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EDUCATION

Krishna University College of Engineering and Technology

Machilipatnam, India

B.Tech - Computer Science and Engineering: CGPA :9.01 - 🔗

Nov 2021 – April 2025

Surya Junior College : **Intermediate** Marks -986/1000 - 🔗

Loyola English Medium Schhol : **10th Gpa** -9.7/10 - 🔗

INTERNSHIP EXPERIENCE

Intel Unnati Industrial Internship - 🔗

Remote

Summer intern

May – July 2023

- This internship offered significant practical exposure to vehicle movement analysis and edge AI, enabling the system to leverage image processing with **OpenCV** and the **YOLOv3** algorithm to identify vehicles, recognize their number plates, and produce valuable insights into vehicle movement trends.
- To identify the license plate area, initial preprocessing tasks such as converting to grayscale, enhancing contrast, and minimizing noise are necessary. These **Image processing** techniques make the plate readable for further recognition algorithms. Image processing laid the groundwork by isolating vehicle positions and movements from video frames, while optimized algorithms swiftly analyzed this data to monitor trajectories and calculate speeds.

Global Quest Technologies - 🔗

Bangalore

Java Developer Intern

Jan – May 2025

- Gained hands-on experience in **Core Java**, **JDBC**, and **Servlets**(Intermediate), by developing robust applications and enhancing understanding of object-oriented programming principles.
- Developed a Bank Management System, demonstrating skills in GUI design with Java Swing, database connectivity using **JDBC**, and secure **CRUD** operations, ensuring real-time updates and user-friendly interface.

PROJECTS

- **Non-Invasive Blood Group Detection Using Deep Learning Model (Python, Flask, Deep Learning Algorithm, HTML, CSS, JS)**- Developed a non-invasive blood group detection system using Python Flask, OpenCV, TensorFlow, and Scikit-learn, leveraging fingerprint image analysis with Convolutional Neural Networks (CNNs). Enhanced diagnostic speed and accuracy while eliminating the need for traditional blood draws. Improved accessibility to blood typing, suitable for diverse healthcare settings.
- **Bank Management System - (project 🔗)** (Java, JFrames, IntelliJ IDE, MySQL DB, Swing Technologies, Classes and Frames)- Implemented a secure banking application with a graphical user interface using Java Swing, supporting operations like withdraw, deposit, balance inquiry, pin change, mini statement, and exit. Utilized CRUD operations with MySQL for secure data handling.
- **Vehicle Movement Analysis and Insight Generation using Edge AI - (project 🔗)** (Python, Deep Learning Algorithm, YOLOv3, Edge AI, OpenCV)- Detected and recognized vehicle number plates using Edge AI techniques, generating insights for campus traffic management and security.

PUBLICATIONS









- **A Review on Software Engineering Perspective of Emerging Technologies and Challenges** - 🔗 — Dec-2023

Insights into Challenges Posed by Emerging Technologies, explores the challenges and perspectives of software engineering in the context of technologies like blockchain, cloud computing, deep learning, game development. presented at the prestigious **8th International Conference** on Research in Intelligent Computing in Engineering (DOI: 10.15439/2023R51 - 🔗) , hosted by the Department of **CSIT**- Annals of Computer Science and Information Systems, Volume 38, at **Maulana Azad National Urdu University (Central University)**, Hyderabad, Telangana, India.

SKILLS Summary

- **Languages:** JAVA, PYTHON, HTML5, JAVASCRIPT, SQL
- **Libraries:** NumPy, pandas, OpenCV, matplotlib, NLTK, scikit-learn, scikit-image
- **Frameworks:** Django(Intermediate), Flask, Bootstrap, Keras, TensorFlow, PyTorch, Flask
- **Tools:** Git, Github, SQLite MySQL, MongoDB
- **Soft Skills:** Time Management, Writing, Speaking, Leadership (**Communication Skills** - 🔗)

ACHIEVEMENTS/CERTIFICATIONS

- **Paper Presentation Certificate** - (RICE-2023 - ) **The 8th International Conference** | Rice Code-51
- **NPTEL Certification** - (NPTEL ELITE - ) | **Data Analytics with Python** | ML Algorithms
- **Salesforce Certification** - (credential - ) | **AI Associate** | **AI for Everyone** | **AI Fundamentals**
- **IIDT Blackbucks Certification** - (certificate - ) | **Django** | **Web Development** | **Internship**
- **ExelR Student Development Program** - (ExelR - ) **Data Structures and Algorithms (DSA)**
- **Cisco Networking Academy** - (Cisco - ) **Introduction to Data Science**
- **IBM Skill Build** - (AIML Certificate - ) **APSSDC** | **EDUNET FOUNDATION**
- **Credly Badges** - (Credly Account - ) **Python Essentials** | **SQL Essentials** | **Data Analytics Essentials**