Ramya Koneti

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EDUCATION

VASAVI COLLEGE OF ENGINEERING — **HYDERABAD, INDIA**
Bachelor of Engineering (B.E.) in Electronics and Communication Engineering - 8.23 — July 2020 - June 2024

KENDRIYA VIDYALAYA — **HYDERABAD, INDIA**
CBSE – 80% — April 2017- March 2018

PROFESSIONAL EXPERIENCE

PEOPLE TECH GROUP — **HYDERABAD, INDIA**
Intern - Junior Software Engineer — Jan 2024 – May 2024

- Engaged in a comprehensive learning experience, gaining practical insights into IPC development under General Motors, embedded systems, and software optimization for automotive applications.
- Collaborated with a cross-functional team to create a cutting-edge operating system for automotive displays, actively participating in coding sessions, debugging efforts, and project discussions and applied theoretical knowledge to drive practical outcomes and optimize system usability.
- Proficient in utilizing Qt Creator, IBM Rhapsody, and Visual Studio Code for software development projects, with expertise in C and C++ programming languages.

SKILLS & CERTIFICATIONS

- Programming **Languages:** Python, C, C++.
- Database: MySQL, DBMS.
- **Web** Development: HTML, CSS.
- **Developer Tools**: VS Code, GITHUB, MySQL, PyCharm.
- AI-900: **Microsoft Azure** AI Fundamentals. view
- **HackerRank**: Python view, CSS view, SQL view.
- **Cisco**: Introduction to Cybersecurity, Cybersecurity Essentials, CCNA: Introduction to Networks. view

PROJECTS

ACCIDENT DETECTION SYSTEM

- Developed and implemented an intelligent accident detection system leveraging sensor technology, resulting in emergency response time decrease in accident-related fatalities.
- Incorporated accelerometer, GSM, and GPS modules to capture real-time vehicle telemetry.
- Presented the accident detection system at the college project expo, received overwhelmingly positive feedback from industry professionals and academic advisors, who praised its potential impact on saving lives.

SMART VIDEO SURVEILLANCE USING YOLO ALGORITHM AND OPEN CV

- Pioneered the development and successful implementation of a robust video surveillance application enabling real-time object detection and tracking for enhanced security measures, employing Python and machine learning algorithms to mitigate risks and bolstering security measures within public environments.
- Utilized cutting-edge deep learning techniques and neural networks to train models for accurate object recognition, contributing to the project's advanced functionality and reliability.

MOVIE RECOMMENDATION SYSTEM

- Developed a scalable Content Based Recommender System employing machine learning algorithms and deployed it.
- Engineered a machine learning pipeline in Python to automate data processing and analysis, reducing manual effort by 80 hours per month and enabling faster decision-making.
- Architected and executed a machine learning project using Python, resulting in a 60% improvement in predictive accuracy.

ORGANIZATION

- **Newton's Apple Magazine**, VCE — June 2022 – May 2023
  Designing team head.
- **Street Cause**, VCE — June 2021 – May 2023
  Logistic Head.