Jakkula Indra Karan Rao

Hyderabad, Telangana, India

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Education

CVR COLLEGE OF ENGINEERING   **2020 – 2024**
Bachelor of Technology (B. Tech) in Computer Science and information Technology   *Ranga Reddy , Hyderabad*

Narayana Junior College   **2018 – 2020**
Senior Secondary (12th),   *Bhagyalatha, Hyderabad*

ACE HIGH SCHOOL   **2017 – 2018**
Secondary Board of Education   *Jagtial , Telangana*

Projects

Smart Meter / *Angular, IOT: PZEM004T, ESP8266 , JavaScript, Firebase*
- Collect the Realtime data from the Traditional Meters at specific Intervals
- Provide Insights into the electricity usage and provide the opportunity to Monitor day to day consumption through User Interface
- Bill Calculation, Setting and Managing Monthly Budget can be done through a Web application integrated with Smart meter

AIEMS (AI powered Energy Management System) | Data Analysis: EDA, Statistics, Machine Learning: random Forest Regressor, Sklearn
- Identify the Idle Systems and Monitor the Health, Efficiency Status of Individual Machines
- Predict the Cost, based on the demand and forecast the Estimated Prediction of Electricity Usage
- Identify Anomalies in Machines and Notify the Faculty Manager through Email
- Recommend the best practices based on the Input of Industry Infrastructure

KHEL (Toy) | IOT, Embedded C
- Toy integrated with Feature Board that teaches Alphabets, Rhymes, Numbers and games like Memory game, Dance, Songs
- 8*8 LED Matrix is integrated with Light Buttons and Function based on child Interaction
- Planned Revenue Business Canvas Models for Monetizing the Innovation of Toy Product
- It bridges the gap between Education and Entertainment combating with Balancing Screen Time and Increasing Children Cognitive Thinking

Certifications

- Intro to Machine Learning - Kaggle	- Intermediate Machine learning (Kaggle)	- Python (Kaggle)	- Java, Python (Hackerrank)
		- Machine Learning Explainability (Kaggle)	- Xartup Membership

Technical Skills

Languages: Java, Python,JavaScript, MYSQL, HTML, CSS
Core Concepts: Operating System, Computer Networks, OOPS, Statistics, Artificial Intelligence, Machine learning
Frame Works and Technologies: Angular, Colab, Visual Studio, Internet of Things

Soft Skills

- Leadership
- Problem Solving
- Communication
- Time managemen
- Negotiation
- Adaptability

Extracurricular

- Hexathon Hexagon 24 Hour Hackathon – Hexagon Hyderabad –
- HackCBS Student Large Run Hackathon – SSCBS New Delhi –
- Ideathon – CVR NewGen
- Hackaathon – VRSEC – Vijayawada Andhrapradesh
- 8+ Hackathons Participated (National Level and Inter State College Level)