Surya Teja Dirisala
Vijayawada
Bachelor of technology

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in Surya Teja Dirisala

PROJECTS

- **KL Satellite (06/2023 - Present)**
  - Conducted in-depth research on power systems and antennas for the project, optimizing efficiency and reliability in high-altitude environments and designed PCBs for the high-altitude balloon satellite.

- **Machine learning project based on regression and classification using Python**
  - Implemented regression and classification techniques, with tokenization and lemmatization ensuring efficient text preprocessing for enhanced model accuracy and performance evaluation.

- **RF ID based attendance system using Arduino and ESP32.**
  - This project enables seamless tracking and management of attendance records with real-time data access and automation capabilities.

- **Bidirectional person count and automatic lighting system using NodeMCU and ESP32**
  - This project aims to facilitate efficient occupancy monitoring and energy conservation in indoor spaces.

EXPERIENCE

- **Internship at *National Remote Sensing Centre,ISRO***   *May - August 2023*
  Shadnagar
  - As an intern, I worked on Clock recovery and analyzed and designed PLL using gardener algorithm.
  - Improved my knowledge on the MATLAB Simulink and designed the circuit using Verilog in Xilinx Vivado.

EDUCATION

- **Bachelor of Technology in Electronics and Communication Engineering**   *2021-25*
  KL University   CGPA: 9.76

- **Intermediate in MBiPC**   *2019-21*
  Nalanda Vidyaniketan   Percentage:90

SKILLS

Languages: Java, Python, HTML+CSS
Databases:Relational Database(MySQL)
Techincal Skills: Data Structures & Algorithms, Object Oriented Programming,Machine Leaning.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability, Communication

CERTIFICATIONS

- Amateur Radio License KN6ZRR; Federal Communications Commision,USA
- Business English Certificate Preliminary
- Machine Learning with Python

VIRTUAL INTERNSHIPS AND COURSES

Cybersecurity Virtual Internship by Paloalto

AWS Cloud Foundations and Architecting

Embedded Developer Virtual Internship by Microchip

ACHIEVEMENTS

- Participated in Solve the SDGs(A 48 hour techinical hackathon at IIT Madras)
- Reached Level 2 of the Flipkart GRID Challenge -Robotics Track
- Participated in Buildathon(A 24 hour technical event)
- Member of Pulse and KLSAT clubs.