Lokesh Kumar Das

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in /Lokesh Kumar Das   G Lokesh Kumar Das   @LokeshKumarDas

SKILLS

1. **Languages -** Verilog HDL, Basic Assembly Language, Basic C, Python, HTML, CSS.
2. **Tools -** Vivado, Keil, LTspice, MATLAB, EasyEDA, Arduino IDE, Fusion-360, Vs Code.
3. **Technical Skills -** IOT Developer, Machine Learning, Frontend Web Developer, Basic Neural Network.

EDUCATION

1. Electrical Engineering | IIT Mandi   CGPA - 8.08 | (15-1-2024)
2. XII (M.P. Board) | Ideal Hr. Sec. School   97.4% | 2021

ACADEMICS AND PROJECTS

1. RISC-V TYPE Architecture Implementation
   - I implemented RISC-V TYPE Architecture.
   - Used some concepts of Digital Electronics like Pipelining and Hazards.
   - Language - Verilog HDL
2. Movie Recommendation System and Its Deployment
   - Used NLTK to extract features from summary of movies.
   - Used the concept of vectors and Sklearn to find 5 most similar movies.
   - Used streamlit to create a website and deploy the system.
   - Language - Python, Numpy, Pandas, NLTK, Streamlit.

EXPERIENCE

Training - Intern | IIT Mandi iHub & HCI Foundation (Dec/2022 - Feb/2023)
   - To reproduce the results for the somatosensory oddball task paper.
   - I preprocessed the data with Python.
   - Used Muse headband to live observe signals.
   - Studied various brain signals during meditation.
   - Particularly focusing on tracking the P300 event.
   - Language and Tools - MNE-Python, Numpy, Pandas, Matplotlib.

POSITION and RESPONSIBILITY

1. TA | Fundamental of Design Practicum Course (Jan/2023 - May/2023)
   - I explored basic Robotics and Manufacturing concepts.
   - I supervised my group in PCB designing and CAD modeling.
   - I also helped them with Coding in Arduino IDE.
   - Languages and Tools - C, Arduino IDE, EasyEDA, Fusion-360.
2. Tutor | Prayas 2.0 (June/2023 - July/2023)
   - I helped students with Arduino IDE.
   - I instructed students on various sensors and their practical uses.
   - I teached them basic python.
   - Languages and Tools - C, basic Python, Arduino IDE.
3. Frontend Web Development Team | Anusandhan (Mar/2023 - June/2023)
   - I designed the homepage of a website.
   - Languages - HTML, CSS