BHUMIKA KR

CONTACT

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LINKEDIN

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SKILLS

- Programing skills : C, Basics of Java, python
- Web development skills: Html, CSS, SQL
- Machine learning: Pandas,Numpy,Scikit-learn
- Electronics : VLSI design system, embedded system and IOT

CERTIFICATIONS

- **Additive Manufacturing Designing**
- **and Industry 4.0**
- **IOT and raspberry Pi**
- **Blood donation certificate**
- **VLSI Design system**
- **Embedded system, machine learning and IOT**
- **RINEX Entrepreneurship Cell**
- Python course and frontend web development course
- **Centre for Outreach and Digital Education**
- **Indian Institute of Technology. Madras**
- **“Strategy Formulation and Data Visualization”**
- **Learntube by CareerNinja**
- Basic quiz Java
- basic quiz of python
- **Infosys springboard**
- Basics of web development
- Basics of python
- Basics of Java
- Fundamentals of data science
- **NXTWAVE**
- 7 Days code challenge participation
- Web development :Html CSS SQL
- Basics of AI
- Basics of machine learning
- Basics of data science
- Introduction to cyber security

PROFESSIONAL OBJECTIVE

I am an enthusiastic student of software developer

EDUCATION

B-Tech |Electronics and communication | 7.6 CGPA
NMIT, Visvesvaraya Technology University

PU | PCMC | 60 % Percentage
Chethana PU College, State Board

Class X | 88 % Percentage
Soundarya Central School, CBSE

WORK EXPERIENCE

1.VLSI Design Project

- To gain practical VLSI knowledge, use EDA tools like Cadence and Xilinx for schematic to layout conversion, physical design steps, and timing analysis. Learn Verilog coding for FPGA design, simulation, and synthesis. Ensure functional verification and gate-level netlist generation to validate circuit performance in VLSI projects.

2.Additive Manufacturing Designing and Industry 4.0

- Additive manufacturing, or 3D printing, enables the creation of complex designs layer by layer, revolutionizing production.Industry 4.0 integrates digital technologies, automation, and data exchange in manufacturing. Together, they enhance efficiency, customization, and innovation, driving the future of smart factories and advanced industrial processes.Tools like Fusion360 and introduction to ai with application.

3. Embedded system, machine learning and IOT

- to design the Importance of IOT and its application and implement an embedded system using Arduino for real-time monitoring and control.Utilized software and Basic tools of machine learning introduction to machine learning and its application of machine learning using edge learn tool. Led a team to design and implement an IoT-based embedded system using Arduino and ESP32 for real-time monitoring and control. Integrated sensors for temperature, water, and LED testing. Applied basic machine learning with Edge Learn tools, improving system efficiency. Conducted tests to ensure accurate and reliable project performance.

4. Raspberry Pi

- to design the Importance of IOT and its application and implement an embedded system using Arduino for real-time monitoring and control using raspberry operating system programming language to develop and optimize the project design, achieving an improvement in system efficiency. Conducted tests and experiments to validate and refine the project functionality, ensuring accurate and reliable performance.

5. Strategy formulation and data visualization

- Introduction to data science, types of data science, data visualization, data analytics. vision and mission, application of data science.Data science involves extracting insights from structured and unstructured data using various techniques. It includes types like descriptive, predictive, and prescriptive analytics. Data visualization transforms data into graphical formats for better understanding. Applications range from business strategy formulation to improving decision-making across industries with a clear vision and mission.
