# Bhumika K.R

Profession

## Contact


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## Websites, Portfolios, Profiles

- linkedin

## Skills

Teamwork and Collaboration
Fast Learner
Quick Learner
Computer Skills
Public Speaking
Creativity and Innovation
Interpersonal and Social Skills

## Software

Good

Passionate engineering student eager to apply academic knowledge and hands-on experience to contribute to innovative projects.

## Work History

2022-11 - 2026-10

### Intern

*Bengaluru, India*

- Supported staff members in their daily tasks, reducing workload burden and allowing for increased focus on higher-priority assignments.
- Gained valuable experience working within a specific industry, applying learned concepts directly into relevant work situations.

## Education

### B-Tech: Electronics and communication

*NMIT - Visvesvaraya Technology University*

### PU: PCMC

*Chethana PU College - State Board*

### Class X

*Soundarya Central School - CBSE*

## Certifications

| | |
|---|---|
| 2022-11 | Additive Manufacturing Designing and Industry 4.0 |
| 2024-06 | IOT and raspberry Pi |
| 2022-05 | Learntube by CareerNinja, Basic quiz Java, basic quiz of python |
| 2023-07 | RINEX Entrepreneurship Cell, Python course and frontend web development course |
| 2023-02 | Infosys springboard, Basics of web development, Basics of python, Basics of Java, Fundamentals of data science |
| 2023-07 | Centre for Outreach and Digital Education, Indian Institute of Technology, Madras, Strategy Formulation and Data Visualization |
| 2023-08 | Blood donation certificate |
| 2022-11 | VLSI Design system |
| 2023-09 | Embedded system, machine learning and IOT |
| 2024-09 | 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 |

## Training

**VLSI Design Project**
1.To gain practical VLSI knowledge using EDA tools like Cadence and Xilinx.
2. Performed schematic to layout conversion and physical design steps.
3. Conducted timing analysis and Verilog coding for FPGA design.
4. Implemented simulation and synthesis.
5. Verified functionality and generated gate-level netlists to validate circuit performance.

**Additive Manufacturing Designing and Industry 4.0**
1. Additive manufacturing (3D printing) creates complex designs layer by layer, transforming production.
2. Industry 4.0 integrates automation, digital technologies, and data exchange in manufacturing.
3. Together, they improve efficiency, customization, and innovation.
4. Tools like Fusion360 enhance design processes.
5. AI applications further optimize industrial operations.

**Embedded system, machine learning and IOT**
1. Designed and implemented IoT-based embedded systems using Arduino and ESP32 for real-time monitoring and control.
2. Integrated sensors for temperature, water, and LED testing.
3. Applied basic machine learning with Edge Learn tools.
4. Improved system efficiency through machine learning.
5. Conducted tests to ensure accurate and reliable performance.

**Raspberry Pi**
1. Designed and implemented IoT-based embedded systems using
Raspberry Pi for real-time monitoring and control.
2. Developed the project using Raspberry Pi OS and programming languages.
3. Optimized the system design for improved efficiency.
4. Conducted tests and experiments to validate functionality.
5. Ensured accurate and reliable project performance.

**Strategy formulation and data visualization**
1. Data science extracts insights from structured and unstructured data.
2. Types of analytics include descriptive, predictive, and prescriptive.
3. Data visualization presents data graphically for clearer understanding.
4. Data science aids in business strategy formulation and decision-making.
5. A clear vision and mission guide its application across industries.