Brinda S Aiholli

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Education

JSS Academy of Technical Education,Bangalore	2022-2026
Bachelor of Engineering in Electronics and Communication Engineering	*8.28 CGPA*
Vidya Mandir Independent PU College,Bangalore	2020-2022
Pre University College(PCMC) ,State Board	*89.50%*
Carmel High School,Bangalore	2010-2020
School,ICSE Board	*96.00%*

Experience/Internship

InternPe   January 2024 – February 2024

Programming Intern

- Worked as a Project Intern at InternPe, where I developed and implemented task-specific solutions using C programming.
- Gained practical experience in coding, debugging, and optimizing programs for real-world applications.

Projects

- **Power Generation Through Footsteps**   *Matlab simulink,dymola,Python*
  Simulated power generation through footsteps using MATLAB and Dymola, displaying the number of footsteps and energy produced per step. Conducted graphical analysis to visualize total power generated, enhancing understanding of energy harvesting efficiency.
- **Real-Time Obstacle Detection and Alert System**   *C,interfacing,Arduino IDE*
  Developed an obstacle detection and alert system using sensor-based technology with C programming on Arduino Uno.Implemented real-time detection and alert mechanisms to enhance safety and automation.

Certifications

- **C Programming course**, Simplilearn   October 21,2024
- **Data Structure**, Alison   November 1,2024
- **Full Stack Web Development Bootcamp,** Udemy   April 19,2025
- **Workshop on Full stack web development,**Prinston Smart Engineers   December 9,2023
- **Object-Oriented Programming Onramp,** Mathworks   November 18,2024
- **MATLAB Onramp,**Mathworks   January 28,2024
- **Development and Simulation of VIENNA RECTIFIER,**Dassault Systemes   February 21,2025
- **Ideathon,**Pravishya   December 15,2022

Skills

- **Programming Language**-C,C++,Java,Python,HTML,CSS,Verilog,8051 assembly language
- **Database**-MySQL,PostgreSql,VS Code,MongoDB,Keil,Cadence
- **Technical Proficiencies**-Data Structures,Algorithms,OOPS,VLSI Design,Circuit Analysis
- **Soft skills**-Communication ,Teamwork,Problem-Solving & Critical Thinking,Innovation & Creativity
- **Hobbies**-Designing and testing circuits,Coding,Volunteering in tech workshops,Fitness(gym),Drama Club Member