

Boga Sai Srinivas

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📍 Bangalore

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Profile

To secure a challenging position in a dynamic organization where I can utilize my skills in Python, SqlPlus, web development, and software development life cycle concepts, along with my strong foundation in problem-solving and algorithms. I aim to contribute to innovative projects, enhance my technical expertise, and grow professionally while delivering value to the organization.

Education

Bachelor of Technology in Electronics and Communication Engineering (ECE) , N B K R Institute of Science and Technology(Vidyanagar,Nellore) CGPA 8.00	2020 Jun – 2024 May
Board of intermediate Education , Sri Chaitanya Junior College (Tirupathi) CGPA 9.38	2018 Jun – 2020 May
Board of Secondary Education , Keshava Reddy Concept School (Mamandur) CGPA 10.0	2017 Jun – 2018 Apr

Skills

❖ Programming Languages

➔ Python

- Scripting, data types, control structures, lists, dictionaries, functions, object-oriented programming (OOP), error handling, debugging

- **Algorithms**: Searching (Linear search, Binary search), Sorting (Bubble sort, Selection sort, Insertion sort, Merge sort, Quick sort)

➔ C

- Core programming concepts, control structures, functions, debugging.

➔ Java

- Object-oriented programming, control structures, data structures

❖ Database Management (SQL)

- Writing and optimizing SQL queries for CRUD operations
- Expertise in Joins, Sub-queries, Grouping, Functions, Views, Normalization
- Experience with DDL, DML, TCL, DCL, DQL statements
- Working with Oracle SQL, MS SQL Server
- : SQL*Plus

❖ Web Development

➔ HTML

- Structuring web pages with elements, attributes, and semantic HTML

➔ CSS

- Styling web pages with selectors, properties, layouts, box model, responsive design

➔ JavaScript

- DOM manipulation, event handling, control structures, error handling

❖ Software Development Life Cycle (SDLC)

- Understanding and application of SDLC concepts

❖ Tools

- Jupyter Notebook, Python IDLE, PyCharm, Visual Studio Code

Projects

Distance Measurement by Ultrasonic Sensor.

❖ Project Description:

- Developed a distance measurement system using an ultrasonic sensor.
- Implemented the system to measure distances accurately and efficiently.
- Utilized the ultrasonic sensor's capabilities to detect obstacles and calculate distances.
- **Programming Language:** Arduino IDE.
- **Microcontroller:** Arduino Uno.
- **Ultrasonic Sensor:** HC-SR04.
- **Software Used:** Arduino IDE.

Low-Power Approximate Unsigned and signed Multipliers with Configurable Error Recovery.

❖ Project Description:

- Designed and developed low-power approximate unsigned and signed multipliers with configurable error recovery.
- Implemented the multipliers to reduce power consumption while maintaining acceptable accuracy.
- Utilized configurable error recovery to optimize the trade-off between power consumption and accuracy.
- **Low Power Consumption:** Achieved significant power reduction compared to traditional multipliers.
- **Configurable Error Recovery:** Allowed for adjustable error tolerance to meet specific application requirements.
- **High Accuracy:** Maintained acceptable accuracy levels despite power reduction.
- **Flexibility:** Supported both unsigned and signed multiplication operations.
- **Programming Language:** Verilog or VHDL.
- **Software Used:** Xilinx Vivado 2018.2.

Certification & Achievements

- Certified in Python programming from CodSoft, specializing in code development and optimization.
- Awarded 2nd Prize in a Micro Project competition.
- Achieved 1st Prize in the 6th Class Science Fair for exceptional project work.

Declaration

I hereby declaring that all the above-mentioned information is true and correct to the best of my knowledge and belief.

Boga Sai Srinivas
Bangalore, 26-11-2024