PENUMUDI ESHWAR SAI BALAJI

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Profile

Adaptable professional with a quick-learning ability and a talent for adjusting to new environments. Skilled in rapidly acquiring new knowledge and applying it effectively. Driven by a passion for continuous learning and my full Potential with a focus on continuous learning and professional development

Education

2021 – 2025 Hyderabad
Gokaraju Rangaraju Institute of Engineering and Technology
Bachelor of Technology in Electronics and Communication Engineering (ECE)
With Current CGPA: 7.5

2019 – 2021 Hyderabad
Bhashyam IIT-JEE Junior College
Intermediate
Completed Intermediate with Grade: 79%

2019 Hyderabad
Bhashyam High School
Matriculation
Matriculated with Grade: 87%

Skills

Programming languages :

Good Knowledge on Java
Basics of Verilog and VHDL.
OOPS with Java
Data Structures and Algorithms(DSA)
Proficient with C

- **DATA BASE :** SQL

Web Development :

HTML, JavaScript, CSS

- **SOFT SKILLS :**

Teamwork & Collaboration, Problem Solving, ProjectManagement, Communication

- Basic Knowledge of Machine Learning & DeepLearning

Certificates

Certified in Data Structures and Algorithms
Smart Interviews Training Platform

AICTE-Edu Skills:

Certified in AWS Internship
Certified in Cyber Security virtual internship
By PaloAlto Networks

Projects

- **Design of 64Bit Multiplier of VLSI using Xilinx**

Software Used: Xilinx, Quartus

Duration: 3Months

Designing of 64bit multiplication using **FPGA**(Field Programmable Gate Array), **Xilinx** Language & Digital Logic Design TechnologyTo enhance high computation efficiency in High-Performing in Computation system And it results a Positive Feedback for design of innovation and good efficiency

- **Diabetic Retinopathy Image Detection using Deep Learning Technique**

Software Used: Google Colab, VSCode

Duration: 3Months

Developed Developed a deep learning-based system for automated detection of Diabetic Retinopathy (DR) using **Convolutional Neural Networks (CNNs)**. Using Python Module know as TensorFlow. working on Interface using WebDevolopment.

Achievements

- The Joy of Computing Using Python (NPTEL)
- Internet of Things (NPTEL)
- Solved 150+ problems on LeetCode, improving problem-solving skills in Data Structures and Algorithms.
- Earned ”50 Days Streak” Badge on LeetCode for consistent coding practice.