

VAMSHI S HARI HARA KIRAN REDDY J

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY
BTech-ECE

CGPA:7.64

July 2025| India-Chennai

SRI CHAITANYA PU COLLAGE
12TH | PUC

PERCENTAGE:86

July 2021 | India-Bangalore

LINKS

Portfolio:// **VAMSHI**

Github:// **VAMSHI**

LinkedIn:// **VAMSHI**

SKILLS

PROGRAMMING

Proficient

• JAVA • C++

Intermediate:

• HTML • CSS • MySQL

• Python • Verilog

Familiar:

• JavaScript

Developer Tools:

• Vs Studio • Eclipse • Cadence

• ModelSim • MatLab

OTHERS

Soft Skills:

• Creativity • Communication

• Teamwork • Adaptability

Languages Known:

• English • Telugu • Kannada

• Hindi • Tamil

COURSE WORK

UnderGraduate:

• Microprocessors and Microcontrollers

• VLSI System Design

• Analog Circuits

• Control Systems

• Embedded C Programming

Additional Courses:

• Java Full Stack

• Data Structures And Algorithms

EXPERIENCE

MAVEEN SILICON | DESIGN ENGINEER INTERN

August 2023 - October 2023 | Bangalore, India

- Developed a versatile SPI Master core in Verilog HDL for microcontroller-peripheral communication, supporting variable word lengths and up to 8 slave devices.
- Designed clock generation and shift register blocks to ensure proper synchronization and timing control for SPI data transmission and reception
- Checkout Report on **GitHub**.

PROJECTS

BANK MANAGEMENT SYSTEM | C++, VS CODE

Developed a C-based Bank Management System automating account operations.

Enhanced efficiency and customer service through user-friendly interfaces.

Checkout on **GitHub**.

OPTICAL CHARACTER RECOGNITION | PYTHON, MATLAB

Developed and used "Python's Tesseract OCR library which enables

character recognition from images, aiding document digitization, accessibility, license plate recognition, etc...

Checkout **GitHub**.

MOBILE-ROBOTIC-ARM | ARDUINO, C++

Created Arduino code for a versatile robotic arm, enabling manual and

automated control via serial input and sensors. Efficiently managed servo motors for precise arm movements in diverse tasks.

Checkout **GitHub**.

• For More Projects Visit **GitHub Repositories**.

EXTRACURRICULAR ACTIVITIES

HOBBIES

• Sports (Cricket, Badminton, Volleyball)

• Playing Video Games

• Reading Books

• Watching Movies

INTERESTS

Space Exploration, History, Politics: Delving into articles, documentaries, and books, I explore the wonders of space and unravel historical and political dynamics across diverse periods and events.

CERTIFICATIONS

• QSpyders JAVA FULL STACK (java, web technologies, MySQL)

• AWS Certified Cloud Practitioner

• UDEMY Mastering DSA using C and C++

• IBM Data Analysis Using Python

• GOOGLE Generative AI Fundamental

• MICROSOFT Essentials in Generative AI

• VLSI System On Chip Design

• VLSI Design Methodologies

• For Certifications Visit **GitHub Repositories**.