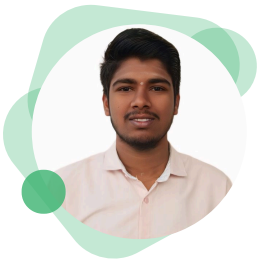

VIRESHA H T

COMPUTER SCIENCE ENTHUSIAST

CONTACTS

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Shivamogga, Karnataka

SKILLS

Java · C · Python · SQL · Competative Programming · Data Structures and Algorithms · Machine Learning · Deep Learning

EDUCATION

Jawaharlal Nehru National College of Engineering

Bachelor of Engineering - Information Science & Engineering

Shivamogga, Karnataka, India

- My coursework includes Programming Languages, Operating Systems, Data Structures and Algorithms, Computer Networks, and Machine Learning.

CGPA | 9.24 / 10

Kamalamma V Swami science pu college shikaripura

PUC

Shikaripura, Karnataka

- Secured 97% in PCMB Combination

Morarji Desai Residential School Hosuru

SSLC

Shikaripura, Karnataka

- Secured 91.2%

VOLUNTEERING

IEEE Computer Society

Chair of IEEE CS Student Chapter

Present

Coordinated the Planning and smooth execution of a 24-hour Hackathon and Multiple techfest events under Yugma TechFest 1.0

LANGUAGES

ENGLISH	Medium
KANNADA	Native
HINDI	Beginner

CAREER OBJECTIVE

As a Computer Science student with a strong foundation in software development, data structures, algorithms, and problem-solving, I am skilled in Java, Python, full stack web development, databases, and computer networking. I am passionate about applying my skills to real-world projects, contributing to innovative solutions, and growing both technically and professionally in AI, networking, and automation.

PROJECTS

AI Driven Detection and Classification of Cervical Cancer cells using Deep Learning method

Aiming to improve healthcare outcomes through automated screening and diagnosis

- Secured 2 lakh funding from NewGen IEDC for developing a deep learning based cervical cell classification system leveraging transfer learning techniques
- Increased cancer cell classification accuracy to 87% using deep learning to help pathologist using Deep learning method.

Tomato Leaf Health Monitoring System

A system aimed at assisting farmers in diagnosing and treating tomato leaf diseases

- Applied image processing and machine learning methods to achieve precise disease diagnosis.
- Increased disease detection accuracy to 94% for tomato leaves using deep learning.

Autonomous Line Follower Robot

Designed and built an autonomous line follower robot capable of tracing predefined paths and reaching the destination point.

- Integrated IR sensors and motor driver circuits to ensure accurate path detection and smooth navigation.

College Database Management System

Designed and developed a centralized web-based system for managing academic records with secure login panels for students, teachers, parents, and administrators. Enabled students to view marks, teachers to upload IA data via Excel, and admins to monitor academic activities.

CERTIFICATION

NPTEL Certification on Programming in Java

Certification covering the fundamentals of Java programming including object-orientd programming techniques

Generative AI Workshop

Participated in a hands-on workshop on building Generative AI models, conducted by NxtWave

Technical Support Fundamentals from Google

Gained foundational knowledge in IT support, including computer systems, networking, troubleshooting, and system administration basics

AI in Healthcare SPARK Internship Program

Developed an AI-based proof of concept for analysing pap smear cytology slides as part of the this internship program- a healthcare focused AI initiative by Subbaiah Research Institute, JNNCE and C-CAMP CIBIP.

KEY ACHIEVEMENTS

- **Won the Special Jury Award at the Matrix Global Summit**
  TiE Bangalore University Awards – AI-Driven Cervical Cancer Detection
- **TechZone 2K24 – Line Follower Competition**
  Secured **1st place** in the Line Follower event at TechZone, State Level Technical Symposium, JNNCE
- **State Level Ball Badminton Tournament – JNNCE**
  Won **1st place** in the State Level Ball Badminton Tournament under VTU Sports, held in JNNCE.
- **Project Exhibition – Anti-Sleep Alarm for Drivers**
  Secured **1st place** in the Project Exhibition for developing an Anti-Sleep Alarm for Drivers using