

# Venkatesh R S

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## Education

NIE Institute Of Technology, Mysore.	2019-2023
B.E in Electronics and Communication Engineering	Mysore, Karnataka, India.
Jnanodhaya Pre University College, Mysore	2017-2019
Pre-University College Intermediate Level Program	Mysore, Karnataka, India.
Sri Adhichunchungiri Central School, Mysore	2015-2017
10th Standard CBSE	Mysore, Karnataka, India.

## Technical Skills

Programming Languages - Python, Javascript, HTML, CSS  
Databases - SQL  
Frameworks & Libraries - Python Flask, Bootstrap  
Computer Science Fundamentals - Data Structures  
Version Control - Github, GitLab  
Tools - Canva, VScode, PyCharm, Replit

## Professional Experience

Associate Software Intern	02/2023
Digitaux Technologies Pvt Ltd - Mysore, Karnataka, India.	
Overview: E-Commerce website proposing innovative strategies, leading to a 15% peak performance boost. Integral part of the development team, excelling in web security problem-solving, analytical skills, effective communication.	
Tools/Technologies: PHP, Laravel, Javascript, SQL and Apache.	

## Project Works

ToDo - A Flask Web App	08/2023
<ul style="list-style-type: none"><li>Web app optimizes task Create, Read, Update, and Delete tasks for seamless task management and code development. SQLAlchemy ensures robust database management for storing and retrieving and automation task for importing data.</li><li>Jinja2 templating in Flask project utilizes Python for dynamic UI and content rendering, enhancing the user experience through customization.</li></ul>	
ORALSCREEN – Oral Cancer Detection Using Deep Learning	09/2022-04/2023
<ul style="list-style-type: none"><li>Achieved 94-95% oral cancer detection accuracy and precision by applying ResNet50 and VGG16 models to large datasets, Python and Javascript programming language is Leveraged, libraries TesnorFlow and PyTorch.</li><li>Innovated with deep learning on histopathological slides, oral images, clinical photos, achieving performance optimization 94% testing accuracy. Integrated ResNet50 for user-friendly experience and held a research on objective.</li></ul>	
Gas leakage detection using an LPC1768 microcontroller	02/2022-04/2022
<ul style="list-style-type: none"><li>Integrated LPC1768 MCU, MQ-6 Gas Sensor, and LCD using C++ for vigilant safety communication with secure GPIO pin configuration and for issues solved efficient solutions</li><li>Operate the LCD efficiently with precise commands, ensuring real-time gas leak detection and swift alerts.</li></ul>	

## Certifications

- JPMorgan Software Engineering Job Simulation on Forage - August 2022: Used Perspective data visualization software and Python to monitor stock price trends and create trading strategies.
- SQL and Relational Databases 101 from IBM.
- Javascript Essentials - 1 from CISCO.