

# NILAVARASAN K

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## PROFILE

A passionate Computer Science student and full-stack developer with a solid foundation in Python, Data Structures, and Algorithms, experienced in designing scalable and efficient software solutions.

## EDUCATION

### GOVERNMENT COLLEGE OF ENGINEERING- DHARMAPURI

B.E.CSE (2022–Present)

CGPA: 8.1/10 (till Semester 6)

### PARAMVEER BANASINGH HR SEC SCHOOL, DHARMAPURI

HSC (2020–2021)

Percentage: 89.1

### YESU RAJA MATRIC HR SEC SCHOOL, DHARMAPURI

SSLC (2018–2019)

Percentage: 83.4

## SKILLS

### PROGRAMMING LANGUAGES:

Python, Java, C Programming.

### WEB TECHNOLOGIES:

HTML, CSS, JavaScript, Flask, Bootstrap.

### DATABASES:

MySQL, SQL.

### CORE CONCEPTS:

Data Structures Algorithms (DSA).

### TOOLS PLATFORMS:

Git, AWS, Docker

## INTEREST

Full Stack Software Development

## INTERNSHIP

### FULL STACK DEVELOPMENT INTERN- TECHVOLT SOFTWARE PVT. LTD.

Engineered a full-stack Event Management System using Flask, HTML, CSS, and MySQL to streamline event coordination and administration.

Developed and integrated key functionalities, including secure user authentication and an admin dashboard for participant management, enhancing system security and improving efficiency.

## PROJECT

### • MUSIC WONDER WORLD

Designed and engineered an interactive online music store using Flask, HTML, CSS, and SQL, handling product browsing, cart management, and secure checkout.

Integrated user authentication and a modern UI to deliver a seamless shopping experience and increase user engagement by 15%.

### • TO-DO LIST

Developed a responsive web application using HTML5, CSS3, and Vanilla JavaScript to streamline daily task management.

Implemented core CRUD (Create, Read, Update, Delete) operations and dynamic DOM manipulation, resulting in a seamless user experience for adding and editing tasks.

## CERTIFICATIONS

- Completed NPTEL certification in **Introduction to Industry 4.0 and Industrial Internet of Things**.
- Completed NPTEL certification in **Cloud Computing**.
- Completed Google certification in **Data Analytics**.
- Completed Oracle University certification in **Oracle Cloud Infrastructure Foundations**.