

# Kariyappa

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## PROFILE

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Enthusiastic and dedicated BTech graduate in Electronics and Communication Engineering with strong problem-solving abilities and a keen interest in IT. Proficient in Python, SQL, HTML, and CSS, with hands-on experience in programming. Passionate about leveraging technical skills to drive innovation and efficiency in the IT industry.

## EDUCATION

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### **BTech in Electronics and Communication Engineering**

Nitte Meenakshi Institute of Technology

CGPA: 7.1

2020 – 2024

Bengaluru, India

### **PCMB**

SMJ PU College

Percentage: 88.3%

2018 – 2020

Sindhanur, India

### **SSLC**

Sri Krishnadevaraya Educational Society

Percentage: 86.72%

2017 – 2018

Sindhanur, India

## SKILLS

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### **Python**

- Proficiency in Basics of Python.
- Good in Conditional statements, Loops.
- Basic Understanding of Object-Oriented programming(OOP) concepts

### **HTML, CSS**

- Structure and Semantics, Tags.
- Attributes, Elements.
- Skilled in Animations, Transitions, and Responsive design.

### **Django framework**

- Developed web applications using python Django framework.
- Created and managed Django models, views, and templates for dynamic data rendering.

### **SQL**

- Excellent at performing CRUD operations.
- Good in joins, Sub-queries, Grouping and Functions.
- Knowledge on Primary key and Foreign key, Normalisation.

### **Tools and Platforms**

- VS Code
- Python's IDLE
- Windows
- Google Collab
- MS word

## PROJECTS

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### Design and Simulation of Piezoelectric Resonator for Sensor Application

#### *Academic Project*

- Designed and simulated a piezoelectric resonator using COMSOL/ANSYS to determine resonant frequency, mode shapes, and sensitivity for sensor applications.
- Analyzed frequency response, impedance characteristics, and stress distribution to improve device accuracy and stability.
- Developed a piezoelectric resonator model for sensor applications, including material selection (AlN), geometry design, and boundary condition setup.

### Web Application using Django framework

#### *Task Mangement Web App.*

- Created user interface page using models, Views, URLs, Templates.
- Built a secure task management application with user authentication and full CRUD functionality using Django's MVT architecture and SQLite database.

## CERTIFICATES

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- Python Full stack development training at Qspiders
- Completed certification course on Python, SQL,HTML and CSS

## LANGUAGES

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English

Kannada

Telugu

Hindi

## DECLARATION

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I here by declare that the information furnished above is true to the best of my knowledge and belief.

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**Kariyappa**  
Bengaluru, 15/09/2025