

# MADHU K S

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## Objective

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A dedicated and experienced professional with expertise in Python, SQL, and web technologies. Looking to contribute my technical abilities and problem - solving skills to a dynamic organization while continuing to grow and develop professionally. Committed to delivering high-quality support and ensuring the success of both the company and its clients.

## Technical Skills

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**Programming Languages:** Python, JavaScript, SQL

**Database Management:** MYSQL

**Tools & IDEs:** Visual Studio Code, IDLE Python

**Web Development:** Responsive design using HTML/CSS and Bootstrap client-side scripting with JavaScript, back-end logic with Python.

**Frameworks:** Django Framework

## Professional Experience

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### **Python Full Stack Development Training:**

#### **Jspiders, Marathahalli, Bengaluru | Ongoing**

I am currently undergoing intensive training in full-stack development, where I am gaining hands-on experience in Python, SQL, HTML, CSS, and JavaScript. I am learning to build dynamic web applications by following industry best practices and software development methodologies. The training also focuses on enhancing problem-solving skills and implementing efficient coding techniques.

## Projects

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### **Classic Electricals – Company Website:**

Created a responsive frontend website for Classic Electricals using HTML, CSS, Bootstrap, and JavaScript. Integrated Django to handle contact and quote request forms with email functionality, enabling customer inquiries to be sent directly to the company's inbox

### **ID Authentication Using OTP For Library:**

Improved library security and automation using OTP-based authentication. When a student requests a book, an OTP is sent to their registered mobile number for verification before issuance. The system verifies the student's college ID, enforces borrowing limits, and sends reminders for overdue returns. Ensures that books are issued only to authorized users, streamlining the lending process.

### **Student Blood Donor Information Management System:**

The system stores and manages student blood group details with easy updates by the admin. Users can search for student blood donors through a simple interface. Contact information is available for those who need blood

### **Solar System(using OpenGL):**

This 3D OpenGL solar system program includes planets, stars, comets, orbits, and axes, all user-controllable. Keyboard keys control planet rotation (m, v, e...), revolution (M, V, E...), Sun rotation (z), and twinkling stars and comet motion (a, A, b, c). Mouse buttons rotate and revolve planets and the comet in both clockwise and anticlockwise directions.

## Roles and Responsibilities

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- Developing and maintaining web applications using Python and web development.
- Design and implement SQL queries for efficient database management and data retrieval.
- Building user-friendly and responsive interfaces using HTML, CSS and JavaScript.
- Debugging and optimizing code for performance improvements and scalability.
- Creating and managing relational databases using MySQL and Oracle for data-driven applications.
- Document technical processes, workflows, and application features for team reference.

## Education

**GEC Mosalehosahalli, Hassan**

B.E. in Computer Science and Engineering

Aug 2019 - Jun 2023

***CGPA: 7.78/10***

**Venkatadri IND PU College Chintamani**

P.U.C in PCMB

June 2017 - March 2019

***Percentage: 64.16/100***

**New Govt High School, V.Kote, Chintamani**

SSLC

June 2014 - March 2017

***Percentage: 73.60/100***

## Personal Attributes:

- Enthusiastic and highly motivated fresher.
- Quick learner, adept at mastering new technologies and methodologies.
- Innovative thinker with a passion for implementing new ideas.
- Strong team player with the ability to work independently.

## Languages:

- Kannada, English, Telugu