

# SINDHU REDDY KONTHAM

[www.linkedin.com/in/sindhukontham17](https://www.linkedin.com/in/sindhukontham17) | 804-503-8082 | [sindhukontham17@gmail.com](mailto:sindhukontham17@gmail.com)

## Skills

---

- Python | MATLAB | Java | C++ | C | Jupyter | Pandas | MongoDB | SQL | NoSQL | Postman
- HTML | CSS | JavaScript | PHP | XML | JSON | Tomcat
- Azure | AWS | Cloud Computing | Git | Dev Ops | Big Data | Data Structures and Algorithms

## Experience

---

### Graduate Teaching Assistant Missouri University of Science and Technology

Rolla, MO, USA

08/2024 - 12/2024

- Created supplemental learning materials, including tutorials, problem sets, and example codes, focusing on advanced MATLAB features such as data visualization, simulations, and mathematical modeling.
- Developed strong rapport with students through open communication channels, fostering an inclusive learning environment.
- Provided timely and constructive feedback on assignments, enabling students to refine their work and achieve higher grades.
- Collaborated with professors to design and implement interactive teaching strategies that integrated advanced MATLAB programming techniques.

### Advanced Associate Software Engineer Accenture

Hyderabad, INDIA 09/2022 - 12/2022

- Completed training in Java full stack stream and had an in-depth knowledge of Spring framework including Spring Boot for rapid application development.
- Worked with RESTful web services using technologies like Spring Rest for building and consuming RESTful API.
- Utilized Java Database Connectivity to facilitate connection between Java applications and relational databases.
- Proficient in interpersonal and organizational skills, adept at managing diverse situations, handling multiple initiatives, and swiftly adapting to changing priorities.
- Worked closely with a team and completed a project using the agile methodologies.

### Wipro Velocity Internship Program

Wipro

Hyderabad, INDIA 04/2022-09/2022

- Developed responsive and user-friendly web interfaces using HTML, CSS, and JavaScript to create engaging user experiences for internal and client-facing applications.
- Collaborated with UI/UX designers to implement pixel-perfect designs, ensuring cross-browser compatibility and mobile responsiveness across devices.
- Enhanced website functionality by integrating dynamic elements using JavaScript and optimized web performance by minimizing load times and improving rendering speed.
- Participated in daily standups and sprint planning, following **Agile** methodologies to meet project deadlines and deliver high-quality results.

## Education

---

### Master of Science

Missouri S&T University

Rolla, MO, USA 01/2023 - 12/2024

- Major in Computer Science

GPA: 3.7/4

**Relevant Coursework:** Java GUI, Project Management, Virtual Reality, Algorithms, Cloud and Big Data Management, Database Systems.

## Projects

---

**Heart disease identification method using machine learning techniques:** Designed an unsupervised Machine Learning model that monitors the patient's heart condition to predict the disease. Machine Learning classification methods (Random Forest, Decision Tree, KNN) are implemented in Python for disease prediction.

**Prediction of Property Prices:** Implementing the machine learning algorithms to find the price of the properties with an 87% accuracy rate.

**Student Management System:** Designed a web application using Spring Boot, Thymeleaf, Spring Data JPA, and MySQL Database. The student details can be updated, deleted, and inserted within the application.

## Mentorship

---

- **Java GUI Grader:** Provided mentorship and support to students as a grader for Java GUI coursework.
- **Computer Vision Grader:** Assisted students in enhancing their MATLAB skills. Graded assignments, projects, and exams fairly and promptly by maintaining accurate records.

## Awards & Others

---

- **Merit Certificate for Academic Excellence:** Achieved top grades and consistent academic performance as an undergraduate.
- **1st place in Hackathon:** Achieved first place in a college hackathon, showcasing programming skills in developing a mobile application using Android Studio.