

# BATHULA SUHARSHITHA

Kurnool, Andhra Pradesh

Email: [harshithabathula456@gmail.com](mailto:harshithabathula456@gmail.com)

Mobile No: 6304734313

LinkedIn: <https://www.linkedin.com/in/suharshitha-bathula>

Github: <https://github.com/Suharshitha20>

## EDUCATION

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- **Vellore Institute of Technology, Amaravati, Andhra Pradesh**

*Integrated M. Tech; CGPA: 8.45*

*June 2021 – Present*

- **Narayana Junior College, Narmada, Kollur, Telangana**

*Intermediate Education (State Board); Percentage: 89.2*

*August 2019 – April 2021*

- **Montessori High School, Kurnool, Andhra Pradesh**

*10<sup>th</sup> (State Board); GPA: 9.7*

*July 2018 – April 2019*

## SKILLS

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- **Languages:** Java, HTML, CSS, Python
- **Tools/Platforms:** VS Code, PyCharm, Excel
- **Core Subjects:** Data Structures and Algorithms, Database Management Systems (DBMS), Object-Oriented Programming (OOPS), Operating System
- **Software Testing:** Manual Testing, Agile Testing, Test-Case design and Execution, Software Testing life cycle, Scrum Testing
- **Database:** MongoDB, MySQL
- **Soft Skills:** Problem Solving, Self-learning, Adaptability, Time Management, Decision Making, Team Work
- **Languages Spoken:** Telugu, English, Hindi

## PROJECTS

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### 1. HEART DISEASE PREDICTION USING MACHINE LEARNING:

- Developed a machine learning model using Random Forest and KNN, with Random Forest achieving the highest accuracy
- Built an **interactive web interface** for users to input medical data and receive predictions
- Integrated **SQL database** for data storage and retrieval.
- **Technologies:** Python, Random Forest, KNN, Django, SQL, HTML, CSS

### 2. FINGERPRINT VOTING SYSTEM

- Designed a biometric authentication system using Arduino to detect duplicate votes and prevent voter fraud.
- Developed a real-time verification mechanism to improve accuracy in the voting process.
- Implemented secure data transmission and real-time monitoring to ensure system integrity and accuracy in the voting process.
- **Technologies:** Arduino, Embedded Systems

### 3. TO-DO LIST WEB APPLICATION:

- Developed a responsive TODO app with features to add, complete, delete, and track tasks in real-time.
- Implemented Pause/Play functionality to monitor task activity duration and improve time management.
- Designed a clean, intuitive UI using HTML/CSS for a smooth user experience across devices.
- **Technologies:** HTML, CSS, JavaScript.