

# Yashwanth Venaganti

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## EDUCATION

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### Bachelor of Technology, Computer Science Engineering

Gokaraju Rangaraju Institute of Engineering and Technology • Hyderabad, India • 2019-2023

Course work: Databases, Data Structures and Algorithms, Web Development, Data Science, Programming, OOPS, Cyber Security, Digital Logic Design, Compiler Design, Cloud Computing, Principles of Software Engineering, Operating Systems, Data Warehouse and Management

## TECHNICAL SKILLS

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Programming Languages: Core Java, Python (Beginner), Spring boot, Microservices

Web Technologies: HTML, CSS, JAVASCRIPT, ReactJS

Database Management: MySQL, SQL SERVER, SQL

Development Tools: Git, Visual Studio Code

Frameworks: Docker, Kubernetes, Agile/SCRUM methodologies

Operating Systems: Linux (Beginner)

Programming: Data Structures and Algorithms (Basic)

Other: Strong problem-solving skills, strong analytical thinking, meticulous attention to detail, and a quick learning aptitude.

## PROJECTS

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### Online Doctor Appointment

- Developed a comprehensive online system for booking doctor visits using Angular and .NET Core, enabling easy maintenance and scheduling of medical appointments.
- Constructed data access layers using Entity Framework, optimizing the efficiency of database queries.
- Implemented AutoMapper for object mapping, reducing manual coding, minimizing errors, and streamlining data translation across multiple application layers.
- Designed and developed a responsive user interface with Angular, simplifying the process for patients to make, modify, or cancel appointments.
- Integrated role-based authorization and JWT-based authentication, securing user information and API endpoints.
- Enhanced the overall user experience by integrating third-party APIs for shipment tracking and payment processing.
- Improved the user experience overall by integrating third-party APIs for tracking shipments and completing payments.

### SELF-DRIVEN CAR

- Designed and developed a robotic automobile with obstacle recognition and avoidance capabilities using the Arduino IDE.
- Configured the vehicle to autonomously steer and adjust its course in response to real-time sensor inputs.
- Integrated JavaScript, HTML, and CSS for web-based control, enabling seamless user interaction.
- Implemented webcam-based real-time video streaming, providing immediate user feedback.
- Enhanced the car's sensor integration and control accuracy by utilizing integrated circuit (IC) components.

### Color Detection for Color Blind

- Developed a colour detection system that can recognize and announce colours, helping those who are colour blind. It uses Arduino and IC components.
- Calibrated sensors to recognize different colour frequencies and translate them into names for distinct colours.
- Programmed Arduino to analyze sensor data and, in response to detected colours, to provide either visual or audio alarms.
- Worked on integrating the system to provide real-time colour recognition and user notifications with a mobile application.

## ACHIEVEMENTS

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- Secured 56 rank in AccioJob test and got 25% scholarship.
- Secured 20k rank in Hacker rank.
- Finalist in Innovative India Coding Championship conducted by AICTE and Code Ninjas.
- Finalist in Code Diva conducted by HopeConflict E-Learning.
- Participated in Jumpstart program conducted by Public Sapient.

## CERTIFICATIONS

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- Certification done in AWS Cloud Foundation.
- Done Data Science and Data Analytics certifications from NPTEL.