Yashwanth Venaganti

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EDUCATION

Bachelor of Technology, Computer Science Engineering

- Gokaraju Rangaraju Institute of Engineering and Technology   CGP: 8.05   • 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

Intermediate

- Sri Chaitanya Junior College   Percentage: 96   • Hyderabad, India   • 2017-2019
  Course Work: Mathematics, Physics, Chemistry

High School Diploma

- Montessori English Medium School   CGP: 8.0   • Kataram, India   • 2016-2017

TECHNICAL SKILLS

Programming Languages: Core Java, C# (Basic Level), Python (Basic) JavaScript, HTML5, CSS3, OOPS Concepts
Back-End Technologies: Spring Boot, RESTful APIs, Hibernate, .NET Core (Basic), ASP.NET (basic), Entity Framework
Front-End Technologies: React.js, Bootstrap, jQuery
Databases: SQL, MS SQL SERVER
Cloud: Azure, AWS (Basic) for deployment
Build Tools: Maven
Version Control: Git
Development Tools: IntelliJ IDEA, Visual Studio Code
DevOps: Experience with DevOps tools and processes
Soft Skills: Communication, Teamwork, Problem-Solving, Time Management, Adaptability, Critical Thinking, Customer Service

PROJECTS

Online Doctor Appointment
- created a comprehensive online system for booking doctor visits with Angular and.NET Core, allowing for easy maintenance and scheduling of medical appointments.
- Entity Framework was used to construct data access layers and improve the efficiency of database queries.
- Used AutoMapper to do object mapping in order to reduce manual coding and minimise mistakes while streamlining data translation across many application levels.
- Using Angular, a responsive user interface was developed that makes it simple for patients to make, change, or cancel appointments.
- Role-based authorization and JWT-based authentication have been implemented to protect user information and API endpoints.
- Improved the user experience overall by integrating third-party APIs for tracking shipments and completing payments.

Designed and Implemented Login and Signup Forms for a Facebook Clone
- Responsive login form and sign-up forms that adhere to contemporary web specifications concept with visible appeal
- Developed client-side form validation using JavaScript and HTML, CSS, resulting in improved data integrity for a smoother user experience.
- Designed and styled forms, based off of modern design practices to create an attractive user experience that would fit any screen size
- Designing with usability and accessibility in mind, to ensure our forms are clean to navigate through as well as matching the look & feel of Facebook simulation.

SELF-DRIVEN CAR
- created a robotic automobile with obstacle recognition and avoidance capabilities using the Arduino IDE.
- configured the vehicle to steer itself and change course in response to real-time sensor inputs.
- Integrated JavaScript, HTML, and CSS control over the web.
- implemented webcam-based real-time video streaming, giving the user immediate response.
- improved the car's sensor integration and control accuracy by using integrated circuit (IC) components.
- made sure the online interface and the automobile were in constant communication, allowing for precise and responsive remote control.
- Undertook comprehensive testing to guarantee dependable obstacle avoidance and user control capabilities.

Color Detection for Color Blind
- created a colour detection system that can recognise and announce colours, helping those who are colour blind. It uses Arduino and IC components.
- sensors that have been calibrated to recognise different colour frequencies and translate them into names for distinct colours.
- Arduino was programmed to analyse sensor data and, in response to detected colours, to provide either visual or audio alarms.
- created an intuitive user interface to show the frequencies and colours that were discovered.
- conducted experiments to verify colour detection accuracy in various lighting scenarios.
- enhanced system dependability by sensor location optimisation and the use of noise reduction techniques.
- worked on integrating the system to provide real-time colour recognition and user notifications with a mobile application.

ACHIEVEMENTS

- 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 Sapients.

CERTIFICATIONS

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