SAI MANASA VEDANTAM

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EDUCATION

Master of Science in Computer Science   Jan 2021 – Dec 2022 (Expected)
University of Texas, Dallas (UTD)   4.0 GPA
Bachelor of Technology in Computer Science & Engineering   Jan 2015 – May 2019
Jawaharlal Nehru Technological University, Kakinada   3.8 GPA

TECHNICAL SKILLS

Programming Languages	Java, Python, C, C#
Web Development	HTML, XML, CSS, JavaScript, ReactJS, JQuery
Database Technologies	MySQL, MongoDB
IDEs	Eclipse, Visual Studio
Frameworks	Flask, ASP.NET MVC
Intelligent Technologies	Machine Learning, Artificial Intelligence, Natural Language Processing

PROFESSIONAL EXPERIENCE

Software Developer at Hexagon Capability Center, India   June 2019 – June 2020
- Implemented front-end of the application with HTML, CSS, Bootstrap, Typescript, ReactJS and back-end using ASP.NET in MVC architecture & Redux promises for data retrieval with RESTful calls.
- Developed xUNIT test cases for code coverage & experienced in Test-driven Development.
- Deployed application using Microsoft Azure DevOps conforming to SDLC, Agile & Scrum processes.
- Experienced in working with Redux architecture using complex Object-oriented concepts.

ADDITIONAL EXPERIENCE

- Working as a Grading Assistant in Computer Science Department at UTD.   **Sept 2021 – Till Date**
- Tutor in Computer Science Outreach Program at UTD.   **June 2021 – Sept 2021**
- Freelance educator on Unacademy.   **Mar 2018 – Till Date**

PROJECTS ACCOMPLISHED

Question-Answering System using Natural Language Processing (Python, GIT, Jupyter Notebook)
- A closed-domain QA system that implements NLP techniques to answer What, Who & When type questions based on Stanford Question Answering Dataset (SQuAD).

Bridal Boutique (HTML, JS, CSS, Python Flask, Jquery, Bootstrap, SQL, GIT)
- Responsive shopping website that sells bridal clothes & accessories which allows user to wish list items, book appointment, filter, search through pages etc. along with special privileges for admins.

Heart Disease Prediction System using Machine Learning (Python)
- Using predictions of three ML algorithms namely Naïve Bayes, Logistic Regression and Support Vector Machines, it predicts the probability of getting attacked by heart disease in near future.

Student Counseling System (JS, HTML, CSS, XAMPP, PHP, RESTful calls)
- Aimed to reduce redundant paperwork each time the student promotes to next class. Automates complete system with few updates to the data twice per year.

Analyze User Experience based on Human Computer Interaction (WinForms, C#)
- While many concentrates on User Interface, this project builds an application & analyzes both UI and User Experience using standard metrics, statistical tools & best practices.

CERTIFICATION AND PUBLICATIONS

- Data Science with R.   **Simplilearn**
- Development with TypeScript.   **Udemy**
- Unit Testing with xUnit & MOQ.   **Udemy**
- Azure DevOps for Developers.   **Udemy**
- Ethical Hacking and Information Security.   **Internshala**
- Published articles on DNA DATA STORAGE and DIGITAL FORENSICS.   **University Journal**