SANDEEP KUMAR RUDHRAVARAM

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PROFILE SUMMARY

A result-oriented professional with 4.4 years of experience in product development and team management. Expertise in developing, configuring and hosting the web applications. Skilled in Python, Flask, C#, .net, asp.net, SQL Server, MySQL, Aws and Azure.

EDUCATION

Master of Science in Computer Science   **Aug 2023 - present**
University of North Texas - Denton, Texas   GPA: **present**
Course Work: Software Engineering, Fundamentals of Database Systems, Computer System Architecture, Analysis of Computer Algorithms.

Bachelor of Technology in Computer Science   **June 2018**
Osmania University - Telangana, India   GPA: 2.70/4.00

SKILLS

Programming Languages: Python, C#, C, SQL, JavaScript, Flask, .Net, Asp.net, HTML, CSS.

Tools, Libraries and Frameworks: Git, Azure DevOps, Pandas.

Databases and Data Warehouses: SQL Server, MySQL, SQL.

Cloud Technologies: Azure, SQL server, AWS.

PROFESSIONAL EXPERIENCE

Senior Product Developer | iAssist innovations labs   **Jun 2021 - Jul 2023**
Tags: Python, Flask, MySQL, HTML, CSS, JavaScript, AWS.

- Acted as a Team Lead for the project
- Designed and developed complex, optimized and secure application architecture.
- Worked on a computer vision module which enhances the accuracy of the ICR output
- Created a Linux service for automating the restart of the server when it goes down for some reason.
- Optimized code coverage over **85%** using python **UNITTEST** libraries for the automation of approval process.

Product Developer | iAssist innovations labs   **Jan 2021 - Jun 2021**
Tags: Python, Flask, MySQL, HTML, CSS, JavaScript, AWS.

- Built the whole application using Python with Flask, Microsoft Outlook Services.
- I have developed an application that streamlines the entire process by receiving files, populating them automatically, and then sending them back. This significantly cuts down the time required for RM (Resource Management).
- Maintenance of Servers(Deployment of code and hosting the application on the server)

UX Product Developer | iAssist innovations labs   **Oct 2020 - Jan 2021**
Tags: Python, Flask, MySQL, HTML, CSS, JavaScript, AWS.

- Data Extraction from different file formats like PDFs, Text files and Images using tools like ICR and OCR. Also, the extraction was mainly done with the help of python Data Structures.
- Worked on both frontend and backend validations.
- Worked on AWS and Azure (VM creation, Database setup, Load balancer, SSH, Enabling RDP)

JR Software Engineer | Agility E-Services Pvt. Ltd.   **Aug 2019 - Sep 2020**
Tags: C#.Net, Asp.Net, HTML, CSS, JavaScript, jQuery, Ajax, Microsoft Visual Studio Premium 2012, SQL Server 2012, Jira

- Involved in architectural discussions & development of Declaration, Exceptional, Cargo, Assessment module with extended features as per the client requirement
- Developed queries, stored procedures using SQLServer2012
- Designing Aesthetic graphical UI
- Involved in applying Validation to the Pages at both Client Side and Server Side
- Involved in bug fixing for flow analysis of earlier version of existing system

INTERNSHIP (MAR 2019 - JUL 2019)

Worked as Dot.Net Trainee in Naresh IT Technologies where I used to design and develop a web application to conduct online tests

ACADEMIC PROJECTS

Daily Detector |

- Developed a website to give information to students. Unique credentials are given to users and are stored in database, request to login cross checks the credentials with the database and proceeds further.
- Users can give information by the displayed html page and this information is passed to database through PHP. Students can check for timetable and lecturers can update their status report

Captcha Breaker |

- Implemented CNN to process Captchas to text for automation. The model has 5 stages - segmentation, thresholding, finding contours, training neural network, and testing and the model has 78% accuracy.