Mohd Rashid Siddiqui

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SUMMARY

Always ready to learn new tools and techniques as per customer's requirement. I constantly work to keep my soft and hard skills updated according to the present era of trending and evolving technologies. I love applying the knowledge I've gained so far to make a big impact on the design, architecture and development of consumer products by helping people, the community or an organization. Currently actively looking for Software Development Engineer (SDE) roles.

WORK EXPERIENCE

Tata Consultancy Services (TCS) | New Delhi, Delhi
Technical Consultant | 10/2020 - Present

- 1.10 years of experience primarily in Manufacturing & Utilities Domain.
- Had worked on implementation of HxGN EAM v11.6 for 5 sites in Europe region. Currently working on to provide global support on HxGN EAM Application.
- Have worked on the requirements received by customer and worked with other team members to investigate the alternate design approaches.
- Had build design prototypes and tested it in Test Environment with teammates before moving it to Production Environment.
- Have effectively articulated the technical challenge behind any ambiguous/undefined problem before providing the concrete solution.
- Have designed and implemented a PL/SQL script to automate the manual data entry in application that led to 50% increase in productivity.
- Had worked on customizing HxGN EAM Extensible Framework which helps to add business-specific functionality to existing screens/tabs in the product by creating custom JavaScript files.

Chegg
Subject Matter Expert (SME) | 10/2018 - 12/2019
- Worked as a freelancer to provide solutions to questions posted by students from across the globe.

Ritusha Consultants Pvt. Ltd. (RCPL)
Trainee | 05/2018 - 07/2018

- Completed the Summer Training Program-2018 for the "Embedded and Robotics - Basic and Advance" course with the commencement of a project entitled **Line Following Robot (LFR)**, designed on **Assisted Living Technology (ALT).**
- [Certificate of Merit](#)

SKILLS

Scripting Languages: JavaScript/ECMAScript, Bash, PowerShell, R

Programming Languages: Python, C, Java

Relational Databases: Microsoft SQL Server, Oracle Database, MySQL

Non-Relational Databases (NoSQL): MongoDB

Miscellaneous: HTML5, CSS3, Asynchronous JavaScript, AJAX, Bootstrap, NodeJS, NPM, ExpressJS, REST Architecture, Mongoose, MERN, Git, GitHub, API, Shell Scripting, Git Bash, Chrome Developer Tool, Postman, Linux, Unix, Microsoft Graph API

PROJECTS

Aerodynamic & Structural Analysis of Wind Turbine Blade

- This project considers the deformation due to the aerodynamic loading of a wind turbine blade by performing a steady-state 1-way FSI (Fluid-Structure Interaction) analysis.

- Used ANSYS Fluent to develop the aerodynamic loading on the blade. Pressures on the wetted areas of the blade are passed as pressure loads to ANSYS Mechanical.

Line Following Robot (LFR)

- LFR is a self-operating robot that detects and follows a line that is drawn on the floor. The path consists of a black line on a white surface (or it may be the reverse of that).
- The control system is used to sense a line and maneuver the robot to stay on course, while constantly correcting the wrong moves using a feedback mechanism, thus forming a simple yet effective closed-loop system.

Obstacle Avoiding Robot (OAR)

- OAR is an intelligent device which can automatically sense the obstacle in front of it and avoid them by turning itself in another direction.
- This design allows the robot to navigate in unknown environment by avoiding collisions, which is a primary requirement for any autonomous mobile robot.

Import/Export Tool for Microsoft To Do App (In Progress)
- This tool will help to export data from the task list. Also, it will help us to import all tasks at once.
- The task data from Microsoft To Do can be uploaded or downloaded directly with the browser, no other servers are involved.
- Microsoft Graph API is used as an endpoint to provide access to the Microsoft cloud, including Microsoft 365 products.

EDUCATION

Aligarh Muslim University | Aligarh, UP
B. Tech. - Mechanical Engineering | 08/2020
Grade: 70.36 %

Workshops Attended
- Assembling and Disassembling of Quadcopter/Drone - TalentBees EduTech Pvt. Ltd.
- Arduino & Embedded Systems - Bit & Byte Laboratories
- I.O.T. (Internet of Things) - Aptron Solutions Pvt. Ltd.
- Introduction to Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning - SkillLync

COURSES

1. Python for Everybody

- Python Data Structures
- Using Python to Access Web Data and Databases

Capstone Project: Retrieving, Processing, and Visualizing Data with Python

Skills Gained: JSON, XML, Python Programming, Database (DBMS), Python Syntax And Semantics, Computer Programming, Data Structures, Web Scraping, Sqlite, SQL

2. The Web Developer Bootcamp

- Able to create responsive, accessible, and beautiful layouts
- Used Postman to monitor and test APIs, and used Express and MongoDB to create full-stack JS applications
- Implemented user authentication and created HTML forms with validation
- Used NodeJS to write server-side JavaScript
- Used NPM to install all sorts of useful packages
- Created a blog application from scratch using Node, Express, and MongoDB.

Capstone Project - YelpCamp: YelpCamp is a full-stack website project where users can create and review campgrounds.

Skills Gained: HTML5, CSS3, Bootstrap, JSON, XML, NodeJS, ExpressJS, Mongoose, MongoDB, JavaScript, NPM, AJAX, REST, API