SAURABH SHUKLA

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Seeking internship/Co-op opportunity as
Software Developer and Tester, Web Developer, Software Engineer, Full stack developer
(Available for Summer 2020)

OBJECTIVE:

To pursue the career as a successful technical professional where I can contribute to the growth of the organization and enhance my technical skills and knowledge to the optimum.

EDUCATION:

➢ MASTER OF SCIENCE IN COMPUTER SCIENCE, ROCHESTER INSTITUTE OF TECH., DECEMBER 2021(EXPECTED)

> **Subjects studying:** OOPS concept and problem solving, Data structures using Python, Foundation of Computer Algorithm, Introduction to Big Data, Computer Networks

➢ BACHELOR OF ENGINEERING (INFORMATION TECHNOLOGY), THAKUR COLLEGE OF ENGG. & TECH., MUMBAI, JUNE 2014

> **Subjects studied:** OOPS concept and problem solving, Data structures, Operating system, Database management system, Internet programming, Computer Graphics, Software Engineering, Software Quality Assurance.

INDUSTRY EXPERIENCE:

❖ **ELECTRONICS SOFTWARE DEVELOPER & TESTER, ANSYS INC., CANONSBURG, PA– JANUARY 2020 TO PRESENT**

o **PROJECT DESCRIPTION:**

As an Electronics Software Development and Testing Intern, I have joined the Electronics Business Unit team which is responsible for the building and maintaining products of electromagnetics, circuit and system simulators. I am currently working on tool which used to improve code quality and automate the coding standards.

o **ROLES AND RESPONSIBILITY:**

- Develop, test, and implement projects in accordance with established Ansys standards
- Work with other teams of **EBU** to create support and ongoing maintenance plans
- Build tools that automate software development/testing infrastructure processes.
- Advance software robustness by testing and verifying defect fixes
- Conduct interactive and automated testing of user interfaces and simulation results.
- Learn and employ the best software practices including design and code review.
- Facilitate and/or participate in recurring meetings with customers and team members
- Plan and manage work activities to meet deadlines and multiple project goals.
- Assess the strengths and weaknesses of alternative designs and technologies.
- Provide and receive feedback to improve team productivity and effectiveness

o **TECHNOLOGY USED:**

Programming Language: Python, C++, JavaScript
Web Development: HTML, CSS, jQuery, Bootstrap, Python-Flask, Jinja, WSGI
Database: mongo DB
Operating System: Linux, Windows
Repository: Git, Git Extension
Automation Tool: Jenkins, Microsoft TFS, PyTest
IDE: Microsoft visual studio-2017, PyCharm

❖ **WEB DEVELOPER, ROCHESTER INSTITUTE OF TECHNOLOGY (STUDENT ITO) – AUGUST 2019 TO DECEMBER 2019**
o **PROJECT DESCRIPTION:**

Full-stack software development of the Tiger Center releases of new features, enhancements to current features, and other support of the existing product. The development team follows current agile software development processes. You will interact on a daily basis with the web design and business analysis members of the SITO team. Each term, the team also plans future strategic directions for the Tiger Center product.

o **ROLES AND RESPONSIBILITY:**
- Understand customers' business requirements for requested work effort.
- Assess design approaches to meet requirements and determine the most appropriate option per request
- Develop, test, and implement projects in accordance with established ITS standards
- Create design documents
- Estimate work effort and document work plans
- Work with other areas of ITS to create support and ongoing maintenance plans
- Facilitate and/or participate in recurring meetings with customers and team members
- Plan and manage work activities to meet deadlines and multiple project goals.
- Assess the strengths and weaknesses of alternative designs and technologies.
- Provide and receive feedback to improve team productivity and effectiveness

o **TECHNOLOGY USED:**
Programming Language: Java, JavaScript, Spring MVC, Servlet
Web Development: HTML, CSS, jQuery, AJAX, Bootstrap, TypeScript, RxJx, Angular 8
Database: SQL
Operating System: Mac-OS, Windows
Repository: Git, JIRA
Methodology: Agile Model, SCRUM and KANBAN Board

❖ **SOFTWARE ENGINEER, ACCENTURE SOLUTIONS, MUMBAI – AUGUST 2014 TO MAY 2018**
o **PROJECT DESCRIPTION:**

Development of integration solution for T@ application. It includes design/development of new integration modules in order to integrate various end systems via webMethods ESB and implementation of various Business processes.

o **ROLES AND RESPONSIBILITY:**
- Involvement in all phases of Software Development Life Cycle including requirement gathering, architecture, system analysis, design, development, testing, and deployment.
- Developing the new Interfaces and Modules.
- Creating Scheduler and Services for different integrations
- Enhancing the existing processes and services and trigger.
- Involved in high-level End to End support for the project.
- Creating packages and deploying packages and Integrations components from development environment to Test and Production environment.
- Provided technical solutions for integration scenarios.
- Worked on Change Requests, Development Requests and Defect fixing as per requirement.
- Expertise in developing the flow services, file poling, notifications and Triggers.
- Debugging the issues related to pre-production.
- Enhanced the existing processes, services and trigger to give optimal solutions.
- Worked on Producer consumer webservice using REST/ SOAP/POSTMAN API

- TECHNOLOGY USED:
  - **Programming Language:** Java, JavaScript, webMethods, BPM, Advance Java, Spring
  - **Web Development:** HTML/HTML5, CSS/CSS3, DHTML, XHTML, JSP
  - **Database:** Pl-SQL, Oracle-11g
  - **Operating System:** Windows, Unix, Linux
  - **Repository:** SVN, JIRA
  - **Methodology:** Agile Model, SCRUM and KANBAN Board

Projects:

- Android Application for Education System- Using ***Android Dev Kit as a platform and SQLite as database***
- E-commerce website "*Saumni.com*" – Using ***HTML5, CSS3, Bootstarp4, jQuery, SQL, JSP, Servlet, MySQL***
- Music Library system- Using ***HTML, CSS, JSP, Servlet, SQL and Apache Tomcat***
- TMA_IGECO Utilities project – Using ***webMethods, Java, Spring, JSP relational database SQL***
- Data mining on Yelp Business Database – Using ***SQL, MongoDB, R and Python***
- Lunar Rover for Network Architect: Using ***Java, Wireshark, VMware***

Other Skills:

Programming Language: C++, Python, webMethods, BPM, R, NumPy, SciPy
Database: NoSQL, MongoDB, SQL workbench

Certification:

- Aakash Android Application Programming – Feb,2013 – held in Thakur College of Engineering. & Tech.
- Computer Application – Mar-2013 – Raj Software Technology
- Java Certification- Oct-2013 – Raj Software Technology
- MongoDB certification – March 2019 – Udemy Certified

Publication:

Presented **Short Length Paper** on **Android Application for Education System** in **International Conference and workshop on Advance Computing-2014**, held at Thakur College of Engg. & Tech, Mumbai.