SAI KUMAR VURUKONDA

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SUMMARY

A passionate and quality-driven software enthusiast with **3 years of programming experience** in **Banking and Retail** Sector with C#, .Net, Angular, Python, PowerShell and MySQL. Eager to learn and develop large-scale software in an agile environment and create a positive impact on lives.

EDUCATION

Chicago State University |Master of Science (MS) in **Computer Science** | GPA: 3.9	Aug 2021
Jawaharlal Nehru Technological University | Bachelor of Technology in **Electronics and Communication Engineering** | GPA: 3.8	May 2018

RELEVANT COURSEWORK

Databases Management Systems | Mobile and Web Technologies Development | Security in Network Computing | Parallel Processing | Business Intelligence | Embedded Systems| Computer Networking | Data Structures and Algorithms | Distributed Computing Theories | | Wireless & Satellite Communication | Relational Database | Machine Learning (ML) | TCP / IP Protocols| UDP | Linear Algebra | Control Systems | DSP

TECHNICAL SKILLS

Programming Languages:	C#, .Net, MVC, Auto IT, OOP, Angular JS, React, Verilog, Bootstrap, Node.js, Python
Database Management:	MYSQL, SQL Server DB
Operating Systems:	Windows 7 and 10, Linux, Real Time Operating System.
Web Application Frameworks:	JavaScript, HTML5, CSS, PHP
Work Management Tool:	Agile, Waterfall, JIRA, Scrum-Kanban, TDD

RELEVANT EXPERIENCE

SHURE Incorporated   **Niles, Illinois**
Software Application Engineer 2   Sep 2021 – Present

- Designing and developing web application and Windows Application using C#, SQL, Angular, JavaScript, TypeScript.
- Message streaming gRPC to get messages from server to client and vice-versa.
- Unit Testing in Jest and C#. scripts to create new tables, views, queries for new enhancement in the application.
- Developed and consumed Web API using MVC Application and other ASP.Net applications.
- Working with collaborative Scrum-based Agile Methodologies, which provides an accurate time estimate and is more efficient for design implementation, test driven development, writing documentation, production, work on code reviews, retrospective meeting.
- Experience in understanding and modifying whole Software Development Life Cycle (SDLC requirements, design, development, unit testing, deployment, and version control), Updating/Modifying, requirement analysis, functional/design specifications, Test plans designing.

Software Engineer Intern   May 2021 – August 2021

- Building the pipeline using the Multi-Stage Pipeline UI experience using PowerShell
- Automating the process of creating and assigning tickets on JIRA using REST service in Jenkins to ensure code quality.
- Application deployment using Git, Jenkins, CI/CD, Bitbucket.

NCR Corporation   Hyderabad, India
Software Engineer   Dec 2018 – Jan 2020

- Worked in **Financial Banking and Retail Sector, focusing on secure transactions** of ATM.
- Migration of BIOS Access Utilities from Auto IT into C# to increase security to ATM software, enabling Internal Customers to manage access to BIOS, change passwords, and boot ATM remotely, which **improves the performance by 35%.**
- Developed various Windows desktop APIs and User Experience applications using C#, JavaScript, WinForms, and ASP.NET.
- Introduced and developed Task Manger application to deploy Intel ME Firmware automatically, which saves **25% of the workforce.**

Associate Software Engineer   Jul 2018 – Nov 2018

- Designing and developing different application tiers using C#.NET, multi-threading, patterns.
- Research, predictive analytics and executing the Regression Test Cases, manage change requests, bug fixes, and troubleshoot issues.
- Troubleshooting ATM server issues that contains crucial ATM Decryption keys which can impact the customers data, system performance and reporting of vulnerability analysis. Strong focus on JIRA involving custom projects, workflows, fields, dashboards and reports configurations.

ACADEMIC PROJECTS

Warehouse Management System	(C#, MVC, JavaScript, MySQL, HTML, CSS)
Facial Authentication Cash Withdraw	(Java, Python, Angular JS, Embedded Circuits)
Pizza Kitchen Application	(C#, WinForms, MYSQL, JavaScript)
E-Commerce Website	(C#, Python, HTML, CSS, Angular JS and SQL)
Smart-Farming (IOT)	(, C++, Python, Raspberry, Bluetooth, UART)
ICU Patient Monitoring System (IOT)	(C#, ASP.NET, SQL, HTML, CSS, IC, pic 18F452, WIFI module, Humidity Sensor)
Accident Detection Using GPS and GSM In Fog	(HTML, CSS, C#, SQL, Embedded C, ARM 7, IC, Laser Indicator, GSM, GPS)
Automated Robot for Transportation in Field work Storehouse	(Embedded C, Keil, MATLAB, Arduino, L293D Motor, IR Sensor)

ADDITIONAL TRAINING

Visual Studio, MySQL, Google Analytics, Android Studio, RESTful API, MATLAB, Verilog Coding, Oracle VM VirtualBox, IOT, Arduino IDE - Arduino Uno R3, java, MS Office, Bash, REST, Power Shell, SharePoint, Rest, Git, cloud, UI, Xilinx

Activities: Dancing, Critical thinking, Responsive, Creatively, Innovation, Leadership Collaborator, Client-driven individual

Transferable Skills: Motivated, ability to Collaborate, Good Communication Skills, Curious, Flexible to work, Strong analytical and problem solving.