

# SAI KUMAR VURUKONDA

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## SUMMARY

A passionate and quality-driven software enthusiast with **2 years of programming experience** in **Banking and Retail** Sector with C#, Java, .Net, 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/C++, Python, C#, Java 8, Auto IT, OOP, Angular JS, React, Verilog, Bootstrap, Node.js  
Database Management: MYSQL, AWS, 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 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 support 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**.
- Worked 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.

**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)
Solar Powered Tricycle for the Physically Handicapped	(Embedded C, PIC32MX, IRF250n MOSFET, Relay Unit, Arduino)
Operation of Vending Machine for Subsidization	(Verilog, Xilinx, DC LM2596, NEMA-17, UART, VHDL)
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, Azure Web Services, MS Office, Bash, AWS, REST, Google Cloud, 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.

## ACCOMPLISHMENTS

Gold Medal in 12<sup>th</sup> Standard for Outstanding performance in Physics and Mathematics.

Awarded \$6000 scholarship from Seidenberg School Of Computer Science and Information Systems | Pace University