

# Rashi Srivastava

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## EDUCATION

**Arizona State University**, Tempe, Arizona January 2021 - December 2022  
Masters of Science in Computer Software Engineering **GPA: 4.0/4.0**  
(Graduate Student Assistant: Operating Systems and System Programming)

**Shiv Nadar University**, Delhi NCR August 2013 - May 2017  
Bachelor of Technology in Computer Science & Engineering (Minor: Economics) **GPA: 3.5/4.0**

## WORK EXPERIENCE

**Software Engineer, Rockwell Automation**, Bangalore, India January 2017 - December 2021

- Led all the phases of SDLC while designing and developing end-to-end Manufacturing Operations Management (MOM) System to automate large-scale manufacturing operations of MARS Petcare in Thailand
- Integrated ERP system with MES by developing webservice using SOAP in Apache Camel
- Integrated MES with production lines through PLCs for automation of production processes at factory floor
- Developed Hibernate APIs for data persistence while optimising the existing APIs to increase throughput and reduce latency, using Java parallel streams
- Developed custom UIs and services in Thingworx, using Javascript
- Provided vision to business for improving enterprise-wide manufacturing system which led to reducing overall production time by more than 60% and the expansion of the solution to 3 more sites

**Software Developer Intern, Indian Institute of Technology**, Kanpur, India June 2016 - August 2016

- Built a Network Analyzing Tool on Linux to monitor the incoming and outgoing packets of data across network
- Implemented back-end functionality to process the data along with an interactive user interface
- Gained meaningful insights into traffic patterns which led to reducing the issue resolution time by 30%

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C++, C#, JavaScript (React), HTML, CSS, PHP, Prolog, R

**Databases:** MySQL, Oracle Database, NoSQL, DynamoDB, MongoDB

**Cloud Services:** AWS (EC2, S3, Route53, Cloudfront, IAM), Google Cloud Platform

**Frameworks:** Vaadin, Spring, AngularJS, Flask, Django, Hibernate, Vue.js

**Tools:** Postman, Git, Jira, Jenkins, Android Studio

## PROJECTS

**CodeElf:** Developed a new programming language and composed its grammar by deriving features from Python and Java. Implemented its lexical analyzer and parser using Python with Lark. Created compiler using Prolog

**Skill Set Management:** Collaborated with Rockwell Automation to create a Skill Set Management System on Vaadin framework to synchronize the resource plan at manufacturing operations to minimize downtime and increase productivity, in an Agile project

**Cryptocurrency Tracker:** Built an application using React that fetched cryptocurrency values and displayed them on an interface. Made REST calls for real time values

**Block and Tackle:** Created a priority-based software on Java to manage the allocation of rooms in the University such that there is maximum utilization of space and hosted it using AWS

**Product Recommendation System:** Developed an application that could recommend items based on the customer's purchasing history, using K-Means algorithm to cluster the items

**Pathfinding Visualizer:** Created a visualizer that showcased different pathfinding algorithms like Dijkstra's in action to find the shortest path between two points using React