

RASHI SRIVASTAVA

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EDUCATION

Shiv Nadar University

2013-2017

B.Tech in Computer Science & Engineering

GPA: 7.58

Minor: Economics

Research Interests: Internet of Things, Data Analysis, Wireless Sensor Networks

Kendriya Vidyalaya

Senior Secondary School

2013, 90.4 %

Secondary School

2011, GPA: 10

EXPERIENCE

Rockwell Automation, Bangalore

Jan 2017- Current

- Working on end-to-end Manufacturing Execution System to automate three Manufacturing Operations of MARS Petcare in Thailand.
- Working on PTC's ThingWorx and Vuforia to incorporate

Software Engineer

Indian Institute of Technology, Kanpur

July 2016

- Built a Traffic Generator over a network which gave a variety of options to the user to generate detailed custom packets to be sent over a network from one device to another to test firewall rules and investigate the performance of network infrastructure, sensors, and security controls.

Hindustan Aeronautics Limited

July 2016

- Developed software on to manage the inventory of the non-project material used in planes, generate automatic codes for the new items indentified through a barcode scanner after dividing them into different categories and track store-in and store-out details of the material and users.

Indian Institute of Technology, Kanpur

July 2015

- Created a Network Analyzer or Packet Sniffer to monitor the incoming and outgoing packets of data on Linux using commands like sendip written on shellsript. It allowed the user to filter packets as per many criteria and dispaly packets with very detailed protocol information.

PROJECTS

Skill Set Management

Final Semester Project

- Collaborated with Rockwell Automation to create a Skill Set Management System to synchronize the resource plan at the Manufacturing Operations to minimize downtime and increase productivity
- Developed the application based on Modular Framework on Vaadin and integrated it with FactoryTalk Production Center while increasing the capabilities of Manufacturing Execution System

GardenSense: Smart Irrigation System

2016

Guide: Prof. Divya Lohani, School of CSE

Created an autonomous irrigation system that adjusts the irrigation schedule to the detected conditions such as soil moisture, temperature, heat index, humidity and total radiation using microcontrollers and sensors

Product Recommendation System

2016

Guide: Prof. Dolly Sharma, School of CSE

Developed a recommendation system that could predict items based on the user's purchasing history, using Mean-shift algorithm to cluster the items

Block and Tackle

2015

Guide: Prof. Snigdha Biswas, School of CSE

Priority based software on Java to manage the allocation of rooms in the University such that there is maximum utilization of space

TECHNICAL SKILLS

Programming Languages	C, C++, Java, C#, PHP, HTML, Javascript, Lua, Pnuts, Python
Libraries and frameworks	Vaadin, .Net, Apache Camel (Enterprise Integration Hub)
Softwares	Visual Studio, IntelliJ, FactoryTalk Production Center (FTPC), ActiveMQ, JBoss, PTC ThingWorx, L ^A T _E X
Databases	MySQL, SQL Server, Oracle

COURSES COMPLETED

- | | |
|------------------------------------------|-------------------------------------|
| • Big Data & Cloud Computing | • Wireless Sensor Networks |
| • Artificial Intelligence | • Artificial Intelligence |
| • Data Mining | • Design and Analysis of Algorithms |
| • Computer Organization and Architecture | • Theory of Computation |
| • Data structures | • Database Systems |
| • Software Engineering | • Operating Systems |

RECOGNITIONS

- Amul Vidyashree Award for Outstanding Performance in Academics in High School
- Seventy Percent merit based Scholarship at Shiv Nadar University
- Received Certificate of Achievement in ThinkQuest International Competition by Oracle for developing a website on Global Warming
- Team Synergy Award at Rockwell Automation

POSITION OF RESPONSIBILITY

- Student Coordinator, Career Development Center (CDC), Shiv Nadar University
- On-field Student Assistant at Project Samuday, HCL for one month in rural areas of Uttar Pradesh, India