

Amrit Gautam

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Detail-oriented senior RIT Computer Engineering student looking to complete a final co-op requirement. Have an ability to understand user needs and is able to learn new technologies quickly to translate business needs into solution requirements.

Available: Summer 2020 and/or Fall 2020

EDUCATIONAL BACKGROUND

ROCHESTER INSTITUTE OF TECHNOLOGY | Rochester, NY

BS, Computer Engineering, December 2020

SKILL SET

Software/Technical: ♦ SQL ♦ Access/Word/Excel ♦ C/Java ♦ HTML/CSS ♦ JIRA/Ticketing ♦ PowerShell
♦ Active Directory ♦ Technical support ♦ Quality Assurance ♦ Lab VIEW

Operating System: ♦ Windows ♦ Mac OS ♦ Linux

Hardware/Schematic: ♦ Oscilloscope ♦ Multimeter ♦ OrCAD PSpice ♦ Waveform Generators ♦ FPGA
♦ Circuit Analysis ♦ Altera Quartus

INTERNSHIP/WORK EXPERIENCE

UNIVERSITY OF ROCHESTER – INFORMATION SECURITY | Rochester, NY

Mar 2018 – Jan 2019

University IT Programmer Analyst Co-op

Worked in an agile environment. Managed and administered over 100,000 user objects. Documented the tasks necessary to implement the security procedures and policies surrounding account provisioning and deprovisioning. Generated identity and access management (IdM) reports surrounding account usage, generic types and sponsorships. Evaluated, tested and maintained IAM components and services including identity directories and other applications that exist in the environment. Investigated account security issues using QRadar and other internal tools. Participated in team meetings to develop IdM understanding and stay abreast of IdM technology. Updated MS Excel and MS Access Databases with data from various sources. Utilized local databases to generate reports. Utilized PowerShell scripts and SQL queries to assist in running audits on users in the domain.

ROCHESTER CITY SCHOOL DISTRICT | Rochester, NY

July 2019 – Present

Instructional Technology

Evaluate, update and test Chromebooks for student's take-home deployments.

MONROE COMMUNITY COLLEGE, MATH LEARNING CENTER | Rochester, NY

Aug 2015 – June 2016

Student Aide

Monitored Help-Desk/Study-Help area of Monroe CC, Math Learning Center to guide students with any resources/services available within MLC.

COURSES

♦ Electronic I ♦ Computer Science II ♦ Intro to Software engineering ♦ Digital System I & II ♦ Linear Algebra ♦ Comp. Org
♦ Applied Programming in C ♦ Discrete math for computing ♦ Interface and Digital Electronics ♦ DSP ♦ Circuit I & II

PROJECTS/LABS

♦ **NXP Cup Car Race:** The goal of this project was to build, program the car and race to compete with other teams for the fastest time possible. The process provided some of the most important knowledge of modern engineering which includes problem solving, designing, planning, and eventually learning about components such as camera sensors and motor system control.

♦ **LabVIEW Lego:** Used LabVIEW to program NXT Lego robot to follow tracks avoiding any obstacles.

♦ **Office 365:** Excel and Access macros to automate daily/weekly tasks/projects.

♦ **Bluetooth Lab:** Developed Bluetooth controllers and communication over Bluetooth using UART, which controlled the color of the RGB LED on the K64F using Bluetooth.