NABIHA RAZA

nr6024@rit.edu | github.com/nabiharaza | linkedin.com/in/nabiha-raza | +1 646-916-5645 | https://cs.rit.edu/~nr6024/

OBJECTIVE
Looking internship and co-op opportunities for Summer and Fall 2019

EDUCATION

Rochester Institute of Technology, Rochester
M.S., Computer Science   *Expected 2020*
National University of Science & Technology, Islamabad
B.E., Software Engineering   *September 2011 - June 2015*

PROFESSIONAL EXPERIENCE

Graduate Research Assistant, Rochester Institute of Technology   *October 2018 – Present*
- Working on interdisciplinary domain with U of R Medicine to detect neck flexes using AWS Lambda.
- Developing Ionic 3 and Angular 4 application for Android and IOS to interface with Wearables using BLE.

Udacity   *September 2018 – Present*
Classroom Mentor and Project Reviewer
- Provide mentorship for students in Frontend Web Development and Mobile Web Specialist Nanodegrees.
- Grade students on PWA, service workers, IndexedDB and caching APIs to improve performance.

CRI Group, Islamabad, Pakistan   *February 2018 – August 2018*
Full Stack Developer
- Worked on Oracle SOA suite (JDeveloper, Eclipse) and implemented SOA concepts on integration platform.
- Implemented static code scan to fix vulnerabilities in code following NVD guidelines.
- Worked on REST, JSON, XML, XSL, XSLT, XML Parsers and SOAP

Telenor Global Shared Services, Islamabad, Pakistan   *November 2015 – December 2016*
Solution Architect
- Developed multiple applications on Java and deployed on Amazon Web Services EC2.
- Worked on shell scripts and python scripts to automate monitoring and deployments.
- Built ARIA compliant customer facing front-end applications on Angular 2 and interfaced using REST

Techaccess Pakistan, Islamabad, Pakistan   *June 2015 – November 2015*
IT Developer Trainee
- Migrated the complete backend from Node JS to Python in a team of 4
- Worked on Back End of Customer Facing Websites in Laravel.

Pakistan Television, Islamabad, Pakistan   *June 2014 – August 2014*
Networks Intern
Project: Packet Sniffer WLAN – Capture network traffic packets such as UDP, TCP, ICMP using socket module in Python and then parse to analyze different results.
- Corrected networking connectivity issues in wireless, routing, and switching using a layered model approach
- Router Programming and automating router's configuration using the router's Web interface
- Worked on SNMP for monitoring and managing different sets of networks.

TECHNICAL SKILLS:
- **Languages -** Java, Python, Django, PHP, JavaScript ES6, HTML, CSS, SQL, C#, Shell Scripting, ASP.net
- **Frameworks & Tools –** Angular 4, Git, Ionic 3, Npm, Node JS, Laravel, Android, BLE Wearables, .NET Core

PROJECTS:
- **Sudoku:** GUI based Sudoku application using MVVM (Observable, Mediator, Singleton design patterns) and backtracking to generate 4*4 or 9*9 puzzles with one unique solution. GUI was implemented using WPF in .net 4.7 framework.
- **IMDb Movie Rating Prediction:** Data Modelling and ER Diagram to make sense of the dataset. Created database in MySQL and imported dataset in DB using python script. Cleaned and normalized using MySQL and then performed Data Mining using R programming and applied multiple data mining techniques to predict some interesting facts.

VOLUNTEER WORK:
- **GDG Rochester – Organizer:** Creating a platform for developers by organizing sessions supported by Google.
- **Women Tech Makers Rochester – Founder:** Facilitating Women in Tech by organizing code-labs and meetups.