

NABIHA RAZA

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OBJECTIVE

Looking for internship and co-op opportunities for Fall 2019 and Summer 2020

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

Hewlett Packard Enterprise – Aruba Networks

May 2011 - Present

Engineering Intern

- Design, code, and test networking applications for next-gen campus Network Operating System (NOS)

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

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.