Amrutha Varshini Mandalreddy

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OBJECTIVE

To obtain a software engineering intern position to utilize my skills & experience, and learn in the field of Computer Science, **Available: May to Dec 2021**

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY   Rochester, NY, USA
Master of Science, Computer Science   Expected Dec 2021
GPA:4.00/4.00

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY   Nagpur, India
Bachelor of Technology, Electronics and Communication Engineering   May 2016
GPA:7.88/10

SKILLS

Programming Languages: JAVA, C#, Python
Web Languages: HTML5, CSS, JavaScript, Angular JS, Node JS
.Net Technologies and Frame works: ASP.NET, ADO.NET, Entity Framework, LINQ
Relational Database Technologies: MySQL, SQL Server
Operating Systems: Linux, Windows, MacOS
Business Intelligence Tools: R, R Studio
Other Tools: Git, Eclipse, Visual Studio, MySQL Workbench, Wireshark, PyCharm

EXPERIENCE

Software Engineer   June 2016 – March 2019
FACTSET RESEARCH SYSTEMS.   Hyderabad, India
- Was a member of a DevOps team and also proficient in both front-end and back-end development, software design
- Administered critical infrastructure, created and delegated workshops, guided various teams in adopting them
- Designed and developed a process to customize restoration of data from production to non-production environments implementing cross-server service brokers between multiple SQL servers
- Redesigned and improved a containerized platform-independent push application using SignalR, to enhance the performance of the existing one
- Researched and built multiple prototypes using various AWS and Azure Cloud services to construct a plan for the company's move towards cloud migration
- Assessed application & server monitoring using Microsoft Azure Log Analytics and AWS CloudWatch
- Supervised server maintenance, deployment of major releases and outages

- Well-versed in Test-Driven development - writing unit tests, often regression, integration, and load testing too
- Authored documentation for numerous applications, processes, and status reports during outages.
- Envisioned and spearheaded multiple modules, services, and applications
- Mentored two new employees on our team's DevOps responsibilities
- **Languages/Tools/OS: C#, SQL, JavaScript, HTML, Visual Studio, SQL Server, PowerShell, Windows 7**

PROJECTS

New York Parking Violations Analysis, Introduction to Big Data   May 2020 – Aug 2020
- Led a team of three to analyze Parking Violations issued during the last four years (2017 – 2020) in New York City
- Used MySQL and JDBC to load, manage and connect to the data
- Charted analyses and performed data mining using R, R Studio
- **Languages/Tools: MySQL, R, RStudio, Java**

Text reader for Visually Impaired   Sep 2015 – March 2016
- Created a device aiding the visually impaired that reads out text from paper placed below using image processing and text to voice conversion
- Used NI myRIO – 1950 as a processor to run programs in real-time, Optical Character Recognition to extract text from image and a custom text to speech synthesizer
- **Languages/Tools: NI myRIO, OCR**

COURSEWORK

Advanced Programming (JAVA), Data Structures (Python), Computer Networks, Introduction to Big Data, Computer Science Theory, Foundations of Artificial Intelligence, Foundations of Algorithms, Parallel Computing

AWARDS

MERIT SCHOLARSHIP, RIT
Received 40% Scholarship for Master of Science Program