AMRUTHA VARSHINI MANDALREDDY

144 Crittenden Way   Website**:** **amrutha-vm.github.io**   **am5739@rit.edu**
Rochester, NY 14623   LinkedIn: amruthavarshini-mandalreddy   +1(603)921-8182

OBJECTIVE To obtain a software engineering intern position to utilize my skills 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

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

SKILLS **Programming Languages:** JAVA, C#, Python, SQL, JavaScript, HTML, CSS
Database Technologies: MySQL, SQL Server
Operating Systems: Linux, Windows, MacOS
Business Intelligence Tools: R, R Studio
Other Tools: Eclipse, MySQL Workbench, Git, Wireshark

EXPERIENCE **Software Engineer II**   June 2016 – March 2019
FACTSET RESEARCH PRIVATE SYSTEMS INC.   Hyderabad, India

- Designed and developed a process to restore data from production to non-production environments implementing cross server service brokers between SQL servers.
- Worked with various teams in setting up the developed restore process
- Designed and developed containerized push application using SignalR, which is platform independent
- Implemented application & server monitoring using Microsoft Azure Log analytics and AWS CloudWatch. Created multiple prototypes using various cloud components AWS (S3, Lambda, EC2, SNS, CloudWatch, IoT etc.,) and Azure (Service Fabric, SignalR, Azure Monitoring, AKS, Azure Active Directory)
- Developed multiple modules, plugins, services and applications
- **Languages/Tools/OS: C#, SQL, JavaScript, HTML, C#, Visual Studio, SQL Server, PowerShell, Windows 7**

PROJECTS New York Parking Violations Analysis, Intro to Big Data   May 2020 – Aug 2020

- Collaborated with team of three to manage and 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
- Developed analysis and performed data mining using R, R Studio
- **Languages/Tools: MySQL, R, RStudio, Java**

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