

# AMRUTHA VARSHINI MANDALREDDY

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Rochester, NY 14623

Portfolio: [amrutha-vm.github.io](https://github.com/amrutha-vm)  
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- 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**
- |  |                        |
|--|------------------------|
| <b>Software Engineer II</b>  | June 2016 – March 2019 |
| <b>FACTSET RESEARCH PRIVATE SYSTEMS INC.</b>   | Hyderabad, India       |
| <ul style="list-style-type: none"><li>Designed and developed a process to restore data from production to non-production environments implementing cross server service brokers between SQL servers.</li><li>Worked with various teams in setting up the developed restore process</li><li>Designed and developed containerized push application using SignalR, which is platform independent</li><li>Implemented application &amp; 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)</li><li>Developed multiple modules, plugins, services and applications</li><li><b>Languages/Tools/OS: C#, SQL, JavaScript, HTML, C#, Visual Studio, SQL Server, PowerShell, Windows 7</b></li></ul> |                        |
- PROJECTS**
- |  |                     |
|--|---------------------|
| New York Parking Violations Analysis, Intro to Big Data  | May 2020 – Aug 2020 |
| <ul style="list-style-type: none"><li>Collaborated with team of three to manage and analyze Parking Violations issued during the last four years (2017 – 2020) in New York City</li><li>Used MySQL and JDBC to load, manage and connect to the data</li><li>Developed analysis and performed data mining using R, R Studio</li><li><b>Languages/Tools: MySQL, R, RStudio, Java</b></li></ul> |                     |
- AWARDS**
- MERIT SCHOLARSHIP, RIT**  
Received 40% Scholarship for Master of Science Program.