

Mrudula Vijayanarasimha

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OBJECTIVE

Seeking Software Engineer and Data Scientist full time opportunities. Available - Immediately

TECHNICAL SKILLS

Languages:	Python, Java, JavaScript, Golang, R, C++, C#, .NET
Cloud Services:	Amazon Web Services (AWS), Google Cloud Platform
Tools/Technologies:	Jira, Tableau, Git, Rattle, Weka, Apache Tomcat, Octave, R Studio, Power BI, Workbench, AWS (Lambda, S3, API Gateway), VMware, Azure, Adobe Analytics, SAS, COGNOS, Tableau, Kafka
Database Systems:	MySQL, Postgres, MongoDB, SQL Server, Amazon DynamoDB, H2Database, HBASE, Hadoop
Web Technologies:	REST APIs, JSON, React, Redux, HTTP, Node.js, CSS, PHP

WORK EXPERIENCE

ORANGE BEES at BMW, Greenville, South Carolina **July 2020 - Current**

Software Engineer + Data Scientist

- Created an automation testing software for BMW where snapshots of a car on the manufacturing belt will be taken from all angles and validate it from our testing dataset. Goal is to reduce the use of manpower during final check.
- Collaborated with cross functional teams on creating data pipelines, to capture requirements, understand dependencies, define an architecture and implement solutions to well defines projects.

WEGMANS FOOD MARKETS, Rochester, New York

May 2019 - January 2020

DATA MANAGEMENT CO-OP

- Worked with different departments like Data Science, Data Architect, ETL and Business Intelligence Teams to create various reports.
- Created a Holiday consumption prediction model for the Data Science team to help them better predict sales consumption during the holidays which lead to make cost efficient decisions and help preserve shelf life.

ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, New York

January 2018 - May 2018

GRADER FOR PYTHON

- Assist the course Instructor in teaching practical lab sessions, lesson planning, grading and prep questions.

RIVERSAND TECHNOLOGIES, Bangalore, India

January 2016 - April 2016

SOFTWARE DEVELOPMENT INTERN

- Worked with the development team to build a web-based Employee Leave Management portal using C# and .NET

PROJECTS

AMAZON DEEPRACER CHALLENGE | AWS Cloud Simulator, Neural Networks, Tensor

Built an autonomous race car designed to test RL models by racing on a physical track using cameras to view the track and a reinforcement model to control throttle and steering, the car shows how a model trained in a simulated environment can be transferred to the real-world.

ORIGIN AND ONGOING SPREAD OF ZIKA VIRUS | Python, R, Tableau, Weka, Mining and Cleaning

Analyse the origin and spread of Zika virus across the globe through my data visualisation techniques to get clarity on what measure works for which region and further help contain the virus to help future generations live in a safe world.

EDUCATION

Rochester Institute of Technology, New York

August 2017 - May 2020

Master of Science (MS) in Computer Science, GPA: 3.3/ 4.0

Relevant Coursework: Data Management and Analytics, Artificial Intelligence, Algorithms, Machine Learning.

B.N.M Institute of Technology, Bangalore, India

June 2013 - April 2017

Bachelor of Science (BS) in Computer Science (Graduated 2017) GPA: 9/10

Relevant Coursework: Intelligent Systems, Data Mining and Business Intelligence, Cloud Computing

CERTIFICATION

Rochester Institute of Technology, New York

August 2017 - May 2020

Advanced Big Data Analytics, Master of Science

Relevant Coursework: *Big Data Analytics, Data Cleaning and Preparation, Database Systems Implementation, Data Warehousing.*