

# ASWATHY MOHAN

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## EDUCATION

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<b>New York University</b> , Tandon School of Engineering, Brooklyn Master of Science, Computer Science, CGPA 3.77/4.0 Honors: Awarded merit-based Scholarship	May 2020
<b>Rutgers University</b> , New Brunswick Data Science Bootcamp	May 2018
<b>Model Engineering College</b> , India Master of Technology, Computer Science, CGPA 4.0/4.0 Coursework: Image Processing, Computer Graphics, Computer Vision, Pattern Recognition Honors: Top 10 in University and Merit based scholarship.	May 2014
<b>Viswajyothi College of Engineering and Technology</b> , India Bachelor of Technology, Computer Science, CGPA 3.68/4.0	May 2011

## TECHNICAL SKILLS

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<b>Coding Languages</b>	Proficient: C++, Python; Working Knowledge: Java, Spring, Hibernate
<b>Data Visualization Tools</b>	Excel, VBA, Numpy, Pandas, Plotly, Matplotlib, Seaborn, Tableau, IPywidgets, API's, JSON, D3.js
<b>Web Development</b>	JavaScript, HTML, CSS, Bootstrap
<b>Database</b>	MySQL, MongoDB, SQLAlchemy
<b>Other Tools</b>	MATLAB, GitHub, Flask, Latex, OpenGL, UIPATH(RPA)

## ACADEMIC PROJECTS

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<b>JobFitt (Python, MongoDB, D3.js, Machine Learning)</b> <ul style="list-style-type: none"><li>Designed a job recommendation application using Machine Learning and hosted online.</li></ul>	May 2018
<b>Jamalyze (Flask, SQLAlchemy, Leaflet, JavaScript)</b> <ul style="list-style-type: none"><li>Created the backend that explores concert trends across nation based on genre and location.</li></ul>	April 2018
<b>Earthquake Pattern Analyzer (Leaflet, GeoJson, D3.js)</b> <ul style="list-style-type: none"><li>Visualized Earthquake data over the world for past 7 days exploring data from USGS.</li></ul>	March 2018
<b>Twitter Bot (Python, Tweepy, Vader Sentimental Analysis)</b> <ul style="list-style-type: none"><li>Constructed a bot to perform Sentimental Analysis on tweets on #amfromBot.</li></ul>	Feb 2018

## EXPERIENCE

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<b>RPA DEVELOPER (Software Engineering Intern)</b> <b>KBC Bank &amp; Verzekering</b> <ul style="list-style-type: none"><li>Automating the customer Onboarding Application using UIPath tool.</li></ul>	June 2019-Present
<b>TEACHING ASSISTANT-Data Visualization</b> <b>Rutgers University of Continuing Education</b> <ul style="list-style-type: none"><li>Instructing 29 professionals looking to advance or change their career trajectory during 12-week Data Science Bootcamp</li><li>Designed syllabus and lesson plans, distributing grades and conducting office hours</li></ul>	May 2019-Present
<b>ASSISTANT PROFESSOR</b> <b>College of Engineering, Thrissur and College of Engineering Vadakara, India</b> <ul style="list-style-type: none"><li>Developed and delivered Computer Science courses to 60 students and administered 120 students in their path of Engineering.</li><li>Organized faculty development programs.</li><li><b>Subjects:</b> Theory of Computation, Security in Computing, Microprocessor (8086,8085) Programming, C++ Programming.</li></ul>	Aug 2014-Oct 2015
<b>ASSOCIATE CONSULTANT</b> <b>Oracle Financial Services Software Ltd, Bangalore</b> <ul style="list-style-type: none"><li>Created front end design for Citibank and Conducted daily check-in and check-out of application</li></ul>	Aug 2011-July 2012

## PUBLICATIONS

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- Aswathy Mohan, Jayasree K, 2D 3D Texture Unification for Volume Rendering. International Journal of Research in Information Technology.
  - Aswathy Mohan, Mary Linda P A, Image Enhancement Using DWT DCT and SVD. Int. Journal of Engineering Research and Applications. (22 citations)
  - Aswathy Mohan, Mary Linda P A, Larry Liston, Remya B Nair, Lisha P P, Ramp Secret Sharing Approach to Authentication and Data Repairing for Document Image. Int. Journal of Engineering Research and Applications.

## CERTIFICATIONS

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- UiPATH RPA Developer: Level1 and Level 2.
  - Deep Learning Course by Andrew Ng, Coursera.