Namrata Uday Devadiga

nd2561@columbia.edu | (916) 731-8518 | www.linkedin.com/in/nd2561
https://namratadevadiga.github.io | https://github.com/NamrataDevadiga

EDUCATION

Columbia University   **New York, NY**
Master of Science in Computer Science GPA: 3.94/4   **Aug 2017 - Dec 2018**
Courses: Analysis of Algorithms, User Interface Design, Artificial Intelligence, Natural Language Processing, Cloud Computing and Big Data Analytics, Advanced Software Engineering, Introduction to Databases, Agile Project Management using Scrum.

K.J. Somaiya College of Engineering   **Mumbai, IN**
Bachelor of Engineering in Computer Engineering GPA: 9.43/10   **Jul 2013 - Jun 2017**
Ranked 1st out of 140 students in the Computer Engineering Department
Awarded J.R.D. Ratan Tata Scholarship covering the entire tuition fee for the academic year 2014-15 and 2016-17

PROFESSIONAL EXPERIENCE

AllianceBernstein   **New York, NY**
Programmer Analyst (Fixed Income Technology)   **Jan 2020 - Present**
- Worked on Abbie Suggested Trades a web application using Angular, CSS and DevExtreme for the front-end and .NET Core and Oracle Database for the backend to provide trade suggestions to Portfolio Managers based on data retrieved from quantitative models. Coded a user interface with charts, data grid's and pivot grid's to provide user's with an improved interface for understanding the market data and help make better trading decisions.Used Signal-R Hubs and Clients to update relevant information on the Angular Front-end.
- Refactored the TBA Rolls process on the Windows Forms Application RAP. Updated the WCF to efficiently get data from multiple applications and enhanced the front-end using Infragistics toolkit. Made relevant trading information available to the user on an intra-day basis as compared to the previous overnight process. Developed a web api following the CQRS design pattern to generate TBA reports for all trades executed daily. Scheduled batch jobs using Control-M to send these reports to the business users.

AllianceBernstein   **New York,NY**
Software Development Associate (Technology and Operations Rotational Program)   **Jan 2019 - Dec 2019**
- Implemented a new document management system with an Angular, CSS and Bootstrap frontend, .NET Framework and SQL database backend to replace the existing system WORKSITE.
- Updated the infrastructure of the internal chatbot Abbie by replacing RabbitMQ queues and C# Consumers with Nuget packages to improve performance and make the chatbot more efficient.Coded a new skill to generate Risk Reports using Python and Flask API. The generated report is available as an Excel file to the user's via Abbie.
- Created a Liquidity Model Script to generate High Yield, Investment Grade and Emerging Markets Liquidity Score using Pandas in Python and Oracle database to assist the business users in crucial investment decisions.

AllianceBernstein   **New York,NY**
Software Development Intern   **Jun 2018 - Dec 2018**
- Worked in the Fixed Income Technology team to develop a project to obtain security and issuer reference data from various public sources to improve quality of investible securities and reduce market licensing fees.
- Developed a web scraper using Python to acquire information of bond issuers from various sources such as EDGAR.
- Implemented a fuzzy name matching algorithm to match data based on bond issuer company names using various natural language processing techniques.

PROJECTS

Abs Blaster   **Jan 2018 - Apr 2018**
- Created a website that caters to the needs of fitness enthusiasts for customized ab workouts.
- Implemented functionalities such as automated looping of videos using HTML5 Video Controls and created various features of the application using HTML, CSS, Javascript, jQuery and Bootstrap.

HealthChat   **Jan 2018 - Apr 2018**
- Developed a chatbot that predicts the probability of a disease based on the symptoms of the user and then assists them to book an appointment in a nearby hospital based on a smart recommendation system.
- Implemented the chatbot using AWS Lex and Lambda and stored the user choices for the recommendation system is AWS Dynamo DB, used AWS S3 for hosting the chatbot and AWS SES for sending the disease prediction report and hospital appointment confirmation details to user's via email.

Parq   **Sep 2017 - Dec 2017**
- Programmed a web application that uses Python and Flask web framework along with a SQL database for providing a platform where buyers can rent and sellers can put up car parking spaces for rent.
- Created the front end using HTML and CSS and used Mapbox API for displaying all the available parking spots in a given locality. Used the Google Maps API for validation of the address entered by the user.
- Awarded 5th position out of 98 participants by J.P. Morgan for Project Presentation.

TECHNICAL SKILLS

Programming Languages: Python, C#, Java,
Tools and Technologies: Angular, ASP.NET, Flask, HTML, CSS, JavaScript, Bootstrap, jQuery, SQL, Oracle, Sybase IQ, Git, TFS, Teamcity, Octopus Deploy, AWS Lex, AWS Lambda, AWS S3, AWS DynamoDB, AWS SES, React, Redis