

# Namrata Devadiga

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## EDUCATION

### Columbia University

#### Master of Science in Computer Science GPA: 3.94/4

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.

New York, NY

Aug 2017 - Dec 2018

### K.J. Somaiya College of Engineering

#### Bachelor of Engineering in Computer Engineering GPA: 9.43/10

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

Mumbai, IN

Jul 2013 - Jun 2017

## WORK EXPERIENCE

### AllianceBernstein

#### Programmer Analyst (Fixed Income Technology)

- Developed Abbie Suggested Trades a web application using Angular 8, CSS, C# and Oracle to provide trade suggestions to Portfolio Managers based on data retrieved from quantitative models.
- Enhanced user experience with charts, data grid and pivot grid using Chart.js and DevExtreme to provide users with a better understanding of the market data and increased the number of trades executed by 50%.
- Used TeamCity and Octopus Deploy to build and deploy the application and git version control system for tracking changes in the source code during the development process.
- Redesigned the TBA Rolls process on the Windows Forms Application RAP. Upgraded the .NET Framework WCF service and SQL queries for effective data retrieval and reduced trade execution time to less than a minute.
- Automated the Rolls process and reduced manual work by 40%. Coded a Web API to generate TBA trade execution reports using .NET Core and .NET Standard following the CQRS pattern.

New York, NY

Jan 2020 - Present

### AllianceBernstein

#### Software Development Associate (Technology and Operations Rotational Program)

- Implemented a full-stack web application for document management using Angular, CSS, Bootstrap, .NET Framework and SQL to replace the existing legacy system Worksite.
- Upgraded the infrastructure of Abbie the internal chatbot and improved performance by 25%. Coded a new workflow in Abbie to generate an Excel Risk Report using Python Flask and reduced execution time from 5 minutes to 45 seconds.
- Created a Python script to generate Liquidity Score using Pandas to assist the business users in investment decisions.

New York, NY

Jan 2019 - Dec 2019

### AllianceBernstein

#### Software Development Intern

- Programmed a web scraper using Python to acquire security and issuer reference data from various public sources such as EDGAR to improve quality of investible securities and reduce market licensing fees.
- Innovated a fuzzy name matching algorithm using various natural language processing techniques and improved bond issuer name matching accuracy by 90%. Scheduled Control-M batch jobs to automate the scripts.

New York, NY

Jun 2018 - Dec 2018

## PROJECTS

### Abs Blaster

- Created a website that caters to the needs of fitness enthusiasts for customized ab workouts.
- Implemented functionalities such as automated looping of videos using HTML 5 Video Controls and created multiple features of the application using HTML 5, CSS3, JavaScript, jQuery and Bootstrap.

### HealthChat

- Designed a chatbot that predicts the probability of a disease based on the symptoms provided by the user. Built a smart recommendation system which assisted the users to book an appointment in a nearby hospital based on multiple factors.
- Implemented the chatbot using AWS Lex and Lambda and maintained the database using AWS Dynamo DB. Hosted the bot using AWS S3 and emailed the disease prediction report and hospital appointment details to users via AWS SES.

### Parq

- Built a web application using Python, Flask web framework, HTML, CSS, Bootstrap and SQL for providing a platform where users can rent and put up their car parking spaces for rent.
- Integrated the MapBox API for displaying all the parking spots in the User Interface and utilized 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

**Technology:** Angular, .NET Framework, .NET Standard, Flask, HTML5, CSS3, JavaScript, Bootstrap, jQuery, SQL, Oracle, GIT, Teamcity, Octopus Deploy, AWS Lambda, AWS S3, AWS DynamoDB, AWS SES, React, Redis, Typescript