

# TEJAS MEHTA

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## EDUCATION:

### Master of Science in Computer Science | *Syracuse University*

*Aug 2019 - May 2021*

**Coursework:** Design and Analysis of Algorithm, Structured Programming and Formal methods, Social Media and Data Mining, Operating Systems, Intro to Data Science, Object Oriented Design, Blockchain and Cryptocurrencies

**GPA: 3.61 / 4.00**

### Bachelor of Engineering in Information Technology | *University of Mumbai*

*Aug 2013 - May 2016*

**GPA: 3.7 / 4.00**

## SKILLS:

**Programming/ Languages:** Python, C#, NodeJS, jQuery, JavaScript, Angular.js, Java, C++, C

**Technologies:** Django, .NET MVC, Sails.js, React, Flask, RabbitMQ, AWS CloudWatch, Lambda, SQS, Elastic Beanstalk

**Databases:** Oracle, Microsoft SQL Server, MySQL, PostgreSQL, Redis, MongoDB (NoSQL)

**Data Science & ML Libraries:** TensorFlow, Keras, NumPy, Pandas, Matplotlib, Scikit-learn, NLTK

## WORK EXPERIENCE:

### Software Engineer Intern | *TruWeather Solutions | Syracuse, New York*

*Nov 2019 – Present*

- Led a team of 5 members for Health and Integrity Project which automated the process of capturing system health metrics and raised alerts for unhealthy machine state.
- Captured and reported usage metrics of EC2 instance using CloudWatch and Perl Scripts on CRON, to set up alarms.
- Wrote serverless AWS Lambda functions in python, establishing connection to RabbitMQ server and dispatches alerts to queue.
- Designed and developed REST APIs in Python, which extracts queue messages and simultaneously updates them to RDS.
- Designed a web application using Angular7 to display weather information on GUI. Designed REST API's using NodeJS for extracting weather data for the clients like Amazon, NASA, Accenture.
- Technologies used: Python Django, Nodejs, Angular, RabbitMQ, AWS (Elastic Beanstalk, CloudWatch, Lambda, SNS, RDS), Git, Redis, WebSocket's, RESTful APIs, PostgreSQL.

### Senior Software Developer | *Magnifi | Mumbai, India*

*Feb 2019 – Aug 2019*

- Collaborated with a Product Team of 4 members to develop a Search Engine for ETF and Mutual Fund markets in USA that provided a generic trade integration platform for brokers like TD Ameritrade, Robinhood, and Tradeit etc.
- Designed an ETL pipeline to collect and process data from FactSet and infer the fund weightage and financial parameters, using Python Django Management Commands and stored procedures in PostgreSQL.
- Implemented project in Python Django Rest Framework, React using Redux, Git, Docker, PostgreSQL.

### Full Stack Developer | *Finoux Solutions Pvt Ltd. | Mumbai, India*

*July 2016 – Feb 2019*

- Developed an Online Trading Platform with Stock Market Insights, currently used as a Premium Trading System by customers of 3 top brokerage companies using Python, Redis, PostgreSQL, RabbitMQ and AngularJS.
- Led development of Online Portfolio Management Solution using .Net and MS-SQL, deployed for 5+ Indian brokerage firms catering to 20,000+ customers with integrated tax calculation, family portfolio management and stock insights.
- Performed sentiment analysis of Capital Market News, measured impact on company's stock movement which led to 3% increase in revenue and sold it to International Government Organization for their internal revenue generating system.
- Built successful proof of concepts in the FinTech domain using Machine Learning, Natural Language Processing (NLP) and Natural Language Understanding (NLU).
- Technologies used: Python Django, .Net, C#, AngularJS, JavaScript, RabbitMQ, MS-SQL, AWS, Git, SVN, Redis, RESTful API's.

## ACADEMIC PROJECTS:

### Conversational Chatbot (Rasa NLU)

- Developed a dynamic query builder engine powered by Tornado Framework and rule-based association rule format.
- Used Rasa NLU to find the intend of the User Query and processed the relevant result based on the intend.

### Toxic Comment Classification

- Built a multi-label Twitter comment classification model that made predictions to classify comments into labels like obscene, threat, hate or insult with large dataset of 96,581 samples and achieved accuracy of 91% using Naïve Bayes classifier.