**Gautam Gadipudi**
*Aspiring full stack developer, passionate about web technologies and big data. Actively looking for a dynamic internship in Spring and Summer 2021 for the role of Software Engineering intern.*

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## EDUCATION

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|---|---|
| Rochester Institute of Technology, Rochester (Master of Science - Computer Science, CGPA - 3.13/4) | Aug 2019 - May 2021 |
| Manipal Institute of Technology, Manipal, India (Bachelor of Technology - Computer Science, CGPA - 3/4) | Aug 2014 - May 2018 |

## SKILLS

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| Languages | Python, C#, Java, JavaScript, C++ |
| Backend programming | Node.js, .NET MVC, .NET Core |
| Frontend programming | Vue.js, JQuery, Bootstrap |
| Database and caching | mongoDB, PostgreSQL, Apache Spark, Redis, MS SQL Server |
| Other | Git, Jenkins, Docker, Socket.IO, Firebase, AWS, MATLAB |

## RELEVANT MASTERS COURSEWORK

* Advanced OOP Concepts (*strong object-oriented design and multi-threading skills in Java*),
* Introduction to Big Data (*data cleaning, modeling, validation, mining and clustering using PostgreSQL, MongoDB and Apache Spark*),
* Computational Problem Solving (*problem solving and data structures using Python*),
* Foundations of Algorithms (*algorithms and their analysis*),
* Foundations of Artificial Intelligence (*knowledge depiction, searching, machine learning and neural nets*),
* Foundations of Computer Vision (*image chainining, edge detection, morphology and other image processing algorithms in MATLAB*)

## PROFESSIONAL EXPERIENCE

| Full Stack Developer | DeltaX, Bengaluru, India | Aug 2018 - Jun 2019 |
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* Part of the tracking team - responsible for tracking ad events (clicks, views and conversions) and ad data (geolocation of event, source, cart details, coupon code, affiliate details etc.).
* Using BDD (Behavior Driven Development), develop multiple services using .NET, .NET Core and work with various SQL, NoSQL and cloud databases.
* Develop user facing pages using Vue.js, JQuery and Bootstrap.
* Use Git for version control and Jenkins pipelines to build and deploy services.

| Full Stack Developer Intern | DeltaX, Bengaluru, India | Jan 2018 - Jun 2018 |
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* Develop a service to dump Facebook's lead forms to Google Sheets.
* Develop cross-browser extensions using Vue.js and understand the different stages of an ad on the internet.

| Backend Web Developer Intern | TechMojo Solutions Pvt. Ltd, Hyderabad, India | Jun 2017 - Jul 2017 |
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* Work on a product ROKA – Fintech platform for business expensing and Travel management.
* Develop a feature that pushes the balance amount information in the customer's e-wallet to the frontend in real time using Redis pub-sub and Socket.io.

## PERSONAL AND ACADEMIC PROJECTS (more on my GitHub)

| Node.js project |
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| Create node.js applications (blog API and todo-list API) to GET, POST, PUT or DELETE items using express.js and MongoDB. Test and document the API using Postman. Deploy the application and database locally as well as on Heroku. |
| Big Data Project |
| Take data from IMDB dataset as CSV files and dump them into PostgreSQL and MongoDB databases by using proper schema and validation. Perform normalization algorithms, data cleaning, data integration from multiple sources, frequent itemset-mining and clustering using KNN. |
| Artificial Intelligence projects |
| * Implement a decision tree and adaboost learning in Python for training a model to classify a sentence as either Dutch or English.<br>* Implement an A* algorithm to find the shortest, fastest and safest path on a 3D map of a park in Rochester. |