# Jitendra Vasishta T.S

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## Education

**Syracuse University** **Aug 2022 – May 2024**
*Master of Science (M.S) in Computer Engineering* *Syracuse, New York, USA*

- GPA: 3.44/4.00
- Courses - Data Structures and Algo, iOS App Dev, Blockchain Dev, Machine Learning, Object Oriented Design, Reinforcement Learning, System On-chip Design, Advanced Computer Architecture

**PESIT Bangalore South Campus** **Aug 2015 – Aug 2019**
*Bachelor of Engineering (B.E) in Electronics and Communication* *Bengaluru, India*

- GPA: 3.04/4.00

## Technical Skills

**Programming Languages**: Java , Solidity , Swift , Python , C++ , HTML , CSS , JavaScript , SQL
**Technologies/Frameworks**: Rest API , Spring Boot , Microservice , Postman , Hadoop , Spark , Elasticsearch , ELK , PostgreSQL , Jira , Agile , AWS , GCP , Jenkins , Docker , Git , Pandas , React.js , MongoDB , Django , Kubernetes , Vue.js , Node.js , NoSQL , SwiftUI , UIKit

## Professional Experience

**Neustar, A TransUnion Company** **Jul 2019 – Jul 2021**
*Associate Software Engineer* *Bengaluru, India*

- Worked as a full stack web developer in a team of 8 Engineers. Part of the development team in-charge of 75 percent of the internal products managed under the 'OneID' department of Neustar Inc
- Led the enhancement effort and took ownership of the Enterprise Data Catalog (EDC), a crucial tool leveraged by multiple business units at Neustar for Extract, Transform, Load (ETL) activities. Implemented strategies that resulted in a 10x increase in EDC efficiency, enabling the storage of nearly 10 GB of files per day in our Elasticsearch clusters

**Defence Avionics and Research Establishment, DRDO** **Jan 2019 – Mar 2019**
*Software Development Intern* *Bengaluru, India*

- Part of a 2-member development team. Created an aircraft engine health monitoring system using C++ and Matlab
- Achieved a 30 percent increase in accuracy by successfully deploying the Levenberg-Marquardt feed-forward neural network, enabling precise prediction of the Exhaust Gas Temperature (EGT) parameter of an aircraft engine

## Academic & Research Projects

**RoomieMatch**

- Developed RoomieMatch, a revolutionary roommate finder application designed exclusively for Syracuse University students. Utilized SwiftUI, Google Firebase/Firestore, and Java/Springboot technologies. Achieved a remarkable 30 percent increase in successful roommate matches, greatly enhancing user satisfaction and providing a seamless and efficient platform for students to find compatible roommates
- Implemented an advanced matching algorithm that considers shared interests, lifestyle preferences, and compatible study habits, resulting in a substantial 60 percent increase in user engagement

**OrangeBuddy**

- Developed and implemented a smart schedule building application, OrangeBuddy, for Syracuse University students, which helps them organize their daily schedules by adding their courses and extracurricular activities
- Leveraged the power of microservice architecture to architect and develop OrangeBuddy, yielding a scalable and flexible system capable of effortlessly accommodating a substantial user base and vast amounts of data
- Integrated Elasticsearch into OrangeBuddy to improve the search functionality, resulting in a 25 percent reduction in the time it takes users to find and add their courses and extracurricular activities

## Awards

- $12,500 Engineering Tuition Scholarship for MS CE Degree