

# JITENDRA VASISHTA T.S

Syracuse, NY (Open to Relocation)

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## Education

### SYRACUSE UNIVERSITY

August 2022 – May 2024

*Master of Science (M.S) in Computer Engineering*

*Syracuse, NY*

- **GPA: 3.6/4.00**
- Courses - Data Structures and Algo, iOS App Dev, Blockchain Dev, Evolutionary Machine Learning, Object Oriented Design, Reinforcement Learning, System On-chip Design, Advanced Computer Architecture, Object Oriented Programming in C++, Database Management Systems

### PESIT BANGALORE SOUTH CAMPUS

August 2015 – May 2019

*Bachelor of Engineering (B.E) in Electronics and Communication*

*Bangalore, India*

## Technical Skills

**Programming Languages:** Java , C++ , Swift , Python , JavaScript , HTML5 , CSS , Solidity , SQL  
**Technologies/Frameworks:** Rest API , Spring Boot , Microservice , Hibernate , Postman , Hadoop , Spark , Elasticsearch , Kibana , ELK , PostgreSQL , Jira , Agile , AWS , GCP , Azure , Jenkins , Docker , Git , Pandas , React.js , MongoDB , Django , Kubernetes , Vue.js , Node.js , NoSQL , SwiftUI , PyTorch , TensorFlow , Linux/Unix

## Professional Experience

### Neustar, A TransUnion Company

July 2019 – July 2021

*Software Engineer*

*Bangalore, India*

- Led and executed full-stack web development tasks within a cross-functional (product, development, testing) team of 8 Engineers at Neustar Inc
- Drove the optimization initiative for the Enterprise Data Catalog (EDC) at Neustar, achieving a 10x increase in efficiency and enabling the storage of nearly 10 GB of files per day in Elasticsearch clusters.
- Spearheaded the development of Activation Service, a critical component of the IDaaS (Identity as a Service) microservice architecture product. Integrated the Activation Service with the overall microservice product, ensuring seamless functionality and compatibility

### Defence Avionics and Research Establishment, DRDO

January 2019 – March 2019

*Software Development Intern*

*Bangalore, India*

- As a key contributor in a two-person team, developed a cutting-edge aircraft engine health monitoring system with C++ and Matlab, ensuring high-performance and reliability through innovative analytics and system design
- 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

## Projects

### Agent Optimization in MuJoCo Environments | *Jupyter, Python* [\[link\]](#)

August 2023 – December 2023

- Led a comprehensive project to train agents in complex MuJoCo environments using the Gymnasium interface, focusing on advanced RL algorithms like PPO, SAC, A2C, and DQN. This included extensive hyperparameter tuning and reward structure manipulation to optimize model performance and adaptability.
- Explored and compared the capabilities and efficiency of various algorithms in diverse simulations, achieving significant improvements in agent decision-making and performance through strategic learning rate and discount factor adjustments.

### RoomieMatch | *SwiftUI, Firebase, Java, SpringBoot, MongoDB* [\[link\]](#)

January 2023 – May 2023

- A revolutionary iOS app designed to simplify the process of finding roommates. Incorporates the intuitive and engaging user interaction concepts of Left/Right Swiping and User Matching, drawing inspiration from popular applications like Tinder and Bumble.

### Orange Buddy | *Java, SpringBoot, Elasticsearch, PostgreSQL* [\[link\]](#)

January 2023 – May 2023

- An innovative web application aimed at assisting Syracuse University students in organizing their daily schedules and tracking current weather conditions.
- Designed and coded the Schedule Builder, a key component among three integral applications within the microservice architecture, specifically engineered to store and manage information for courses and extracurricular activities.

## Awards

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