# 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: 3.63 /4.00**

**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, SQL
**Technologies/Frameworks**: Rest API, Spring Boot, Microservices, Hibernate, Maven, JUnit, JDBC, Postman, CI/CD, Hadoop, Spark, Kafka, Elasticsearch, Kibana, ELK, PostgreSQL, GraphQL, Redis, Jira, Agile, AWS, GCP, Docker, Git, React.js, MongoDB, Django, FastAPI, Kubernetes, Vue.js, Node.js, Express.js, NPM, NoSQL, Langchain, RAG, LLM

## Professional Experience

**Aeyesafe** **April 2024 – Present**
***Software Engineer Intern*** *Seattle, WA*
- Developed high-performance Python APIs with FastAPI, optimized PostgreSQL tables, and orchestrated ETL processes on MongoDB. Improved system responsiveness by 20%, streamlined data management, and enhanced operational efficiency.
- Integrated sleep and movement tracking sensors with ETL code to collect and process behavioral data of elderly individuals. Developed a system to transform and store this data in MongoDB, enhancing data accuracy and enabling detailed behavioral analysis.

**Neustar, A TransUnion Company** **July 2019 – July 2021**
***Software Engineer*** *Bangalore, India*
- Led and executed full-stack development for Neustar's OneID products, leveraging Java, SpringBoot, Python, Django, and Vue.js. Enhanced product performance by 25% and streamlined deployment processes with AWS and GCP.
- Spearheaded the enhancement initiative for the Enterprise Data Catalog (EDC), including automating the scanning and indexing of metadata across various on-premises and cloud-based data sources to improve data discovery and curation.
- Architected and implemented the Activation Service, a critical microservice within Neustar's IDaaS suite. This service automates GCP Storage bucket creation and IAM policy generation, streamlining data security and access control.
- Developed REST APIs for ETL data ingestion, handling hundreds of requests daily from over 3 business units, leveraging RSA Asymmetric Key Encryption for enhanced security.

**Defence Avionics and Research Establishment, DRDO** **January 2019 – June 2019**
***Software Development Intern*** *Bangalore, India*
- 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% increase in accuracy by successfully deploying a neural network trained using backpropagation, 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**
- Trained agents in MuJoCo environments (Humanoid, Cheetah) using advanced RL algorithms (PPO, SAC, A2C, DQN). Improved agent decision-making by 25% through hyperparameter tuning and reward structure optimization.
- 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.