JITENDRA VASISHTA T.S

Syracuse, NY (Open to Relocation)
Phone: +1 (315) 952-9665 | Email: jtovinak@syr.edu | GitHub: github.com/Jitu0110

Education

SYRACUSE UNIVERSITY   **August 2022 – May 2024**
Master of Science (M.S) in Computer Engineering   *Syracuse, NY*

PESIT BANGALORE SOUTH CAMPUS   **August 2015 – May 2019**
Bachelor of Engineering (B.E) in Electronics and Communication   *Bangalore, India*

Technical Skills

Programming Languages: Java, Python, JavaScript, Typescript, HTML5, CSS, SQL

Technologies/Frameworks: Rest API, Spring Boot, J2EE, JSON, Microservices, Struts, Hibernate, Maven, JUnit, JDBC, Postman, CI/CD, Hadoop, Spark, Kafka, Elasticsearch, Kibana, ELK, PostgreSQL, GraphQL, Redis, Jira, Agile, AWS, GCP, Azure Cloud, Azure Databricks, Docker, Git, React.js, Figma, MongoDB, Django, FastAPI, Kubernetes, Vue.js, Node.js, Express.js, NPM, NoSQL, Webpack, Redux, Babel

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 2022**
Software Engineer   *Bangalore, India*

- Led and executed full-stack development for Neustar's OneID products, leveraging Java, SpringBoot, Python, Django, and React.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.
- Engineered REST APIs for ETL data ingestion, handling hundreds of requests daily from over 3 business units, ensuring enhanced security through RSA Asymmetric Key Encryption.

Defence Avionics and Research Establishment, DRDO   **January 2019 – June 2019**
Software Development Intern   *Bangalore, India*

- Created a cutting-edge aircraft engine health monitoring system using 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**

- Crafted a revolutionary iOS app to simplify the process of finding roommates, incorporating intuitive and engaging user interaction concepts like Left/Right Swiping and User Matching, inspired by popular applications such as Tinder and Bumble

Orange Buddy | Java, SpringBoot, Elasticsearch, PostgreSQL [link]   **January 2023 – May 2023**

- Pioneered 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.