Jaya Sabarish Reddy Remala

Brooklyn, New York, 11204

📞 516-907-8727 • ✉ jr6421@nyu.edu • 🔗 linkedin/sabarishreddyrj • ⌽ github.com/sabarishreddy99

Education

New York University	**May 2025**
Master of Sciences, Computer Science; CGPA: 3.67/4	*Brooklyn, NY*

VIT University	**May 2021**
Bachelor of Technology, Electrical and Electronics Engineering; CGPA:3.68/4	*Vellore, India*

Relevant Coursework

- Data Structures & Algo.
- Big Data
- Operating Systems
- Software Engineering
- Computer Networks
- Database Systems
- Info/ Data Visualization
- Graph Theory

Experience

Wipro Limited	**Jul 2021 – Feb 2023**
Salesforce Platform Developer	*Bangalore, India*

- Led the development of a cutting-edge maritime application for Shell Oil Company, utilizing Apex, VF Pages, SF Lightning Web Components, and Analytics Studio. The application revolutionized the tracking of crude oil cargo shipments and supply chain management, resulting in a remarkable 39% increase in efficiency compared to the previous model.
- Key accomplishments include the identification and tracking of empty and redundant bore well stations, transforming supply chains to optimize operations across various global locations. The implementation of an analytical dashboard and customized reports through Analytics Studio provided a comprehensive overview of maritime statuses worldwide.
- To enhance data-driven decision-making, seamless integration with SAP systems was achieved through API, facilitating the automated generation of invoices. Additionally, Visual Force Pages and SF Experience Cloud were leveraged to compare and visualize track records, offering valuable insights into performance metrics.

gradeVITian.in	**Jan 2021 – Jun 2021**
Undergrad Full Stack Developer 🔗	*Vellore, India*

- Developed a typical login-based Computational Progressive Web Application with advanced SEO techniques that ranks at #2 on the Google index for the respective keywords, computes CGPA, GPA, grades and attendance.
- Boasts 15000+ monthly organic search users and over 11,000 registered student accounts (UG/Grad) as of Dec 2023.
- Utilized a robust tech stack: HTML, CSS3, JS, PHP, Bootstrap, and MySQL for seamless UI/UX performance.

Projects

Motor Vehicle Crashes Analysis using Big Data ⬀ | *Python, Hadoop, Pyspark,Spark SQL, Streamlit*   **Dec 2023**

- Analyzed NYC data(2014-23) from the Open Data program, consisting of 2 million rows with 29 columns, including Vehicle Data, Categorical, Contributing Factor, and Geo-Spatial Accident Hotspot Visualization.
- Created a hotspot map considering accident-prone locations using the results obtained. Integrated a Vehicle Type dataset with 4 million rows for categorical insights, revealing patterns and trends in accidents across New York City.

Smart Home Energy Management System ⬀ | *Django, PostgreSQL, Python, JavaScript, Bootstrap*   **Nov 2023**

- Developed SHEMS using PostgreSQL, emphasizing a relational schema. Using Django enables users to manage energy consumption, service locations, and devices. Explored database interaction methods, transactions, authentication and prioritized security measures. The frontend, with charts, ensures a user-friendly experience and data visualization.

Audible Image Captioning ⬀ | *Python, Flask, CNN, LSTM*   **May 2021**

- Developed a Neural Network-based Web application, analogy to the self-driving cars using Python and adopting Inception V3 CNN model to upload/capture a moment, transforming it into a phrase in the form of text & speech.
- Implemented the text-to-speech functionality via gTTS, a Python library in various languages.

Technical Skills

Languages: Java, Python, JavaScript, React JS, Spark, Hadoop, PostgreSQL, My SQL, BootStrap, CSS3, HTML5
Developer Tools: VS Code, IntelliJ, Salesforce Sales & Exp Cloud, SF Analytics Studio, Matlab
Technologies/Frameworks: Django, GitHub, Linux, WordPress, Search Engine Optimization

Leadership Experience

VIT Animation	**Jun 2019 – Jul 2020**
Finance Head	*VIT Vellore, India*

- Awarded a prestigious 5-star certification by the Office of Student Engagement & Affairs at VIT Vellore.
- Successfully organized and conducted engaging workshops on cutting-edge animation tools such as Adobe After Effects, Blender 3D, Photoshop, and Premiere Pro.
- Together core committee of 40+ students, we were committed to enhancing technical skills beyond our academic majors.