

JAYA SABARISH REDDY REMALA

Brooklyn, New York, Unites States - 11204

☎ 516-907-8727 ✉ jr6421@nyu.edu 🌐 sabarishreddyrj 🔗 linkedin/sabarishreddyrj 🏠 github.com/sabarishreddy99

Education

New York University

Master of Sciences, Computer Science; CGPA: 3.67/4

May 2025

Brooklyn, NY

VIT University

Bachelor of Technology, Electrical and Electronics Engineering; CGPA:3.68/4

May 2021

Vellore, India

Relevant Coursework

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

Experience

NYU IT High Speed Research Network

Jan 2024 – Current

Student Software Engineer

New York, US

- Contributed to the Application team tasked with creating HSRN core interface dashboards for Corelink which is currently in an expansion and onboarding phase.
- Utilized a tech stack comprising Next.js, React, Tailwind, and Gitlab for efficient development.

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 from the previous model.
- Key accomplishments include identifying and tracking empty and redundant bore well stations and transforming supply chains to optimize operations across various global locations. Implementing 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.

VIT University - gradeVITian.in

Jan 2021 – Jun 2021

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, Tailwind, Git, GitHub, Linux, WordPress, Search Engine Optimization