

# Sreekar Vedula

South Brunswick, New Jersey | US Citizen

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## WORK EXPERIENCE

### Bank of America - Software Engineering Intern

Summer 2021

- Developed a comprehensive web dashboard from scratch to display and manipulate data from multiple databases across the bank.
  - Designed to be completely dynamic, the dashboard can be customized and expanded further without writing additional code.
  - Leveraged React.js, Express, Python and Node.js to aggregate data from Microsoft SQL Server and Oracle Database sources.
  - Deployed the finished product on a Windows IIS Server via a reverse proxy, delivering the project in a span of 6 weeks.
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## EDUCATION

### Rutgers University (3.7 GPA)

New Brunswick, New Jersey

### B.S. in Computer Science

Expected Graduation - May 2022

**Relevant Coursework:** Data Structures, Discrete Structures, Computer Architecture, Software Methodology, Principles of Information and Data Management, Design and Analysis of Computer Algorithms, Intro to Data Science, Intro to Artificial Intelligence

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## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript/TypeScript, C, SQL, HTML/CSS

**Technologies:** React.js, Node.js, Express, GraphQL, MongoDB, Next.js, Flask, Android, JavaFX, Swing, Git, Material UI, JupyterLab

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## PERSONAL PROJECTS

### Algorithmic Day Trader

Python, React.js (Web UI)

🔗 [SreekVed/Algo-Trader](#)

- A Fully Automated Algorithmic Day Trading Bot that buys and sells stocks from the NASDAQ 100 index throughout the day.
- The Python Script runs several times a day and uses APIs in order to get market data and to place orders whenever needed.
- Analyzes and trades stocks based on a combination of technical indicators, averaging 100+ trades per day.
- The React Web UI can be used to track the live returns of the algorithm and is intended as a strategy performance demo.
- Web App Deployed on Heroku - [Live Trading Performance Tracker](#)

### Twitter Sentiment Analyzer

React.js, Flask (Python)

🔗 [SreekVed/Twitter-Sentiment](#)

- An Intelligent Text Sentiment Analyzer built with Python by utilizing VADER, a Natural Language Processing tool.
- The Flask Back-End uses the Twitter API to search, gather, and analyze the sentiments of up to 1000 distinct tweets.
- The React Front-End visualizes the retrieved data, featuring a Live Analysis graph as well as a Historical Sentiment graph.
- Web App Deployed on Heroku - [Twitter & Text Sentiment Analyzer](#)

### Contacts

Android (Java)

🔗 [SreekVed/Contacts](#)

- An Android App with the ability to store and retrieve the user's contacts from the device's internal storage.
- The names, addresses, and phone numbers of contacts can be stored and are formatted according to the user's locale.
- The user can add, view, or delete contacts and can also make phone calls or send text messages to them.

### 3D Maze Game

Java (Swing GUI)

🔗 [SreekVed/3D-Exploration](#)

- An interactive game featuring both 2D and 3D viewpoints in which the player must navigate through a labyrinth set in space.
- Features multiple traps that the player must dodge, while searching for light sources to illuminate the way before it gets too dark.
- The player has three lives and can use a compass and a map to prevent being teleported or killed while trying to escape the maze.