

Binghamton, New York

# SHASHANK SRINIVASA

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## EDUCATION

**Binghamton, NY**

**State University of New York at Binghamton**

**May 2021**

- Master of Computer Science.
- Graduate Coursework: Computer Architecture; Algorithms; Operating Systems and Concepts; Data Science; Database Systems; Design Patterns; Programming Languages

**Bengaluru, India**

**Sir M Visvesvaraya Institute of Technology**

**May 2017**

- Bachelor of Electrical and Electronics Engineering

## EMPLOYMENT

**Web Developer, Intern**

**Yiddish Arts and Academics of North America**

**April 2021**

- Designed and developed interactive webpages using JavaScript, Html and CSS for various events organized by the company. Partnered with the marketing team to continually perfect the web pages by analyzing user trends and customer engagement
- Optimized the sites for usability, improved accessibility by 20% percent using search-engine optimization which doubled the ticket sales

## PROJECT EXPERIENCE

**E-Commerce Website** | JavaScript, Node.js, Stripe.js, Express.js, Firebase

- Developed a fully interactive single page e-commerce web application which allows users to create an account, add products to the cart, checkout and pay for their order using their card
- Designed a web api in node.js and dynamically populated the react components using HTTP protocols
- Equipped with user authentication system, payment system built using stripe api, shopping cart and checkout page, order history, product page. Deployed using google firebase

**Mocha** | Python

- Created a custom BASIC programming language 'mocha' using python
- Designed and developed lexer, parser and interpreter to build language grammar and syntax
- Supports features such as variables, FOR, WHILE, IF statements, functions, strings, lists, operators and more

**Impact of Racism on US Elections 2020** | Python, Flask, Chart.js, Bootstrap, MongoDB, Express.js, Node.js

- Designed and developed a data collection system using Node.js and collected over 40 million tweets from twitter sampled stream api and 5 million comments from reddit search api over a period of 30 days
- Built a deep learning system using 1.6 million tweets dataset to textually classify sentiment with an accuracy of 73%; Performed sentiment analysis to predict the impact
- Created a data visualization dashboard using python, Flask, JavaScript, Chart.js

**Microprocessor Pipeline Simulator** | C, x86 Assembly

- Programmed a modern out-of-order pipeline in C, that simulates the working of a microprocessor
- Displays cycle-by-cycle execution of a set of x86 assembly level instructions; processes more than 200 instructions at once; Supports multiple functional units, data-forwarding, reorder buffer and brancher

## LANGUAGES, TECHNICAL SKILLS

- Java; C++; C; Python; JavaScript; Html; CSS; x86 Assembly Language
- Flask, Node.js; Express.js; Oracle PL/SQL; REST API; SQL; Relational Databases; MongoDB; Data Structures; Algorithms
- VS Code; IntelliJ; PyCharm; GitHub; Linux CLI; Vim; Postman; Excel; Robo3T; Anaconda