29 Clarke St,
Binghamton NY 13905

SHASHANK SRINIVASA

(646) 266-0418
sbengal2@binghamton.edu
LINKEDIN | GITHUB | PORTFOLIO

EDUCATION

Binghamton, NY	**State University of New York at Binghamton**	**Aug 2019 – May 2021**

- M.S.E. in Computer and Information Science
- Graduate Coursework: Computer Architecture; Algorithms; Operating Systems; Data Science; Database Systems; Design Patterns; Programming Languages

Bengaluru, India	**Sir M Visvesvaraya Institute of Technology**	**Aug 2013 – May 2017**

- B.S.E. in Electrical and Electronics Engineering

EMPLOYMENT

Web Developer, Intern	**The Yiddish Arts and Academics of North America**	**Feb 2021 – 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; Optimized the sites for usability, improved accessibility by 20% percent using search-engine optimization which doubled the ticket sales.

TECHNICAL PROJECTS

Amazon E-Commerce Website (Clone)

- Developed a fully functional E-Commerce application using React.js, React Router, React Context API, JavaScript, Html, CSS and Firebase
- Equipped with User authentication system, payment system built using stripe api, shopping cart and checkout page, order history, product page; Deployed using Google Firebase.
- Utilized: React.js, JavaScript, Html, CSS, Node.js, Stripe.js Firebase

Mocha

- 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
- Utilized: Python

Impact of Racism on US Elections 2020

- 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
- Utilized: JavaScript, Python, Flask, Chart.js, Bootstrap

Crypto Tracker

- Developed an interactive website using Next.js to track the trading information of cryptocurrencies.
- Data is extracted from coingecko api and the application is deployed using Heroku
- Utilized: Next.js, JavaScript, Html, CSS, Node.js, Heroku

Microprocessor Pipeline Simulator

- 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 assembly level instructions; processes more than 200 instructions at once; Supports multiple functional units, data-forwarding, reorder buffer and brancher.
- Utilized: C, ASM

Languages and Technologies

- Java; C++; C; JavaScript; Python, Html, CSS.
- Node JS; Express JS; MongoDB; Oracle DB; React, SQL.
- Visual Studio Code; IntelliJ; PyCharm, Eclipse; XCode; GitHub; WordPress; Linux CLI; Vim.