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Binghamton NY 13905

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EDUCATION

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

- Master of Computer Science. GPA:3.3
- 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**

- Bachelor of 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) **(**React.js, JavaScript, Node.js, Stripe.js, Express.js, Firebase**)**

- Developed a fully interactive single page E-Commerce web application using React.js, React Router, React Context API. Deployed using Google Firebase.
- 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

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

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

Crypto Tracker **(**Next.js, JavaScript, Node.js, Heroku**)**

- Developed a cross-browser and cross-platform web application using Next.js to track the trading information of cryptocurrencies. Implemented search feature to filter the crypto currencies.
- Consumed data using asynchronous calls to coingecko api and application is deployed using Heroku

Microprocessor Pipeline Simulator **(**C, ASM**)**

- 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.

Languages, Technologies and Tools

- Java (Proficient); C++; C; Objective-C; JavaScript; Python, Html, CSS, JSON.
- Node JS; Express JS; MongoDB; Oracle DB; React, SQL.
- VS Code; IntelliJ; PyCharm, GitHub; Linux CLI; Vim; Postman; Excel; Robo3T, Anaconda.