Rishith Kyatham

516-884-4113 | rkyatham01@gmail.com | linkedin.com/in/Rishith | github.com/Rishith

EDUCATION

Stony Brook University   Stony Brook, NY
Bachelor of Science in Computer Science   *Aug. 2020 – Dec 2023*
Second Major in Applied Mathematics and Statistics
Minor in Technological Systems Management
- Coursework: Data Structures, Algorithms, Object Oriented Programming, Graph Theory

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS, R
Frameworks: Node.js, Flask, Bootstrap, FastAPI
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Emacs, Bash, Microsoft Office

CERTIFICATIONS

Python for Everybody Specialization (32 weeks) | *University of Michigan*   Nov 2021 – Feb 2022
- Using Python to Access Web Data and Databases
- Capstone: Retrieving, Processing, and Visualizing Data with Python

HTML, CSS, and Javascript for Web Developers (5 weeks) | *Johns Hopkins University* Jan 2022 – Feb 2022
- HTML, JavaScript, Cascading Style Sheets (CSS), CSS Frameworks (Bootstrap), AJAX, REST APIs

LEADERSHIP & EXPERIENCE

Alliance of Youth Leaders | *North Shore / N.Y.*   Jan 2017 - Feb 2018
- Collaborated with students to help the people in need
- Played various instruments to entertain at the shelter home

Volunteer Service | *Hicksville Gregory Museum*   June 2019 - August 2019
- Worked at a cash register/gift shop and maintained a clean environment
- Occasionally gave out museum tours to customers

PROJECTS

Page Ranker | *Python, SQLite, HTML/CSS, D3.js*   Feb 2022 – Present
- Developed a spider in python that crawls the web and ranks pages according to the frequency of links between pages
- Utilized CRUD operations to maintain an SQLite database storing the relationship between webpages
- Implemented a Page Ranking algorithm for spidering, and employed the D3.js library to map relationships between pages

GEO Data Visualizer | *Python, SQLite, Javascript, HTML/CSS*   Jan 2022 - Feb 2022
- Developed a Web Application that prompts user for a location, contacts an external API to fetch latitude and longitude data, and visualizes it in Google Maps using Javascript
- Used Python to parse the JSON data, clean it, and store it in SQLite database for persistence

JSON Serializer & Deserializer | *C lang, GDB*   Jan 2022 – Feb 2022
- Developed a command line utility using C that serializes and deserializes JSON to String and vice versa
- Defined functions to validate JSON input and transform JSON input into JSON output in a canonical form
- Represented JSON data object members and array elements as circular, doubly linked lists of structures

College Schedule Builder | *Python (FastAPI), HTML/CSS, Javascript*   Dec 2021 – Jan 2022
- Developed a fullstack application that lets user select their college courses and creates a weekly schedule
- Used Python (FastAPI) to build a RESTful backend that returns optimal schedule depending on courses entered
- Collaborated with 4 people using Github and Microsoft Visual Code to complete the project

EXTRA CURRICULARS

- Active member of Stony Brook Cyber Security Club
- Active member of The Stony Brook Computing Society since 2020