

# YUKESH SITOULA

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## EDUCATION

**University of Virginia**, Charlottesville, VA  
Computer Science, B.S.

Graduated in May 2020

### **Relevant Coursework:**

- Algorithms, Database, Artificial Intelligence, Introduction to Cybersecurity, Advanced Software Development, Program and Data Representation, Networking, Mobile Application Development

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## CERTIFICATION

Oracle JAVA SE 11 Programmer I (1Z0-815)

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## TECHINICAL SKILLS

**Languages:** Java, C++, JavaScript, HTML, CSS

**Framework:** React, Redux, Bootstrap, Django, Express (Node.js)

**Database Management:** MySQL, Cloud Firestore, MongoDB

**Tools:** Web Scraping, Visual Studio Code, IntelliJ IDEA, Emacs, Adobe XD, Travis-CI, Heroku, MS Office

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## ADDITIONAL INFORMATION

**Trilingual** – English (Advanced Proficiency), Nepali (Native language), Hindi (Basic Proficiency level)

**Nationality** – United States of America

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## EXPERIENCE: PROJECTS

### **Stock Value Tracker (Personal Project)**

July 2020 – August 2020

- Allows user to add the stock name with maximum and minimum value to their list, and when the value of the added stock goes above or below the specified amount, the application will alert the user via email address on their account
- Implemented a full stack web application using Node.js, Express, MongoDB (mongoose), Vanilla JS, Embedded JavaScript templates (ejs), web scraping using cheerio.js, and nodemailer for email

### **Sorting Algorithms Visualizer (Personal Project)**

July 2020 – July 2020

- Implemented six different sorting algorithms (merge sort, bubble sort, quick sort, selection sort, insertion sort, and heap sort), and visualized in a web page to show how each sorting algorithms works.
- Developed using JavaScript (p5.js library), HTML5 and CSS3

### **University of Virginia Library browser extension (Group Course Project)**

August 2019 – May 2020

- Recommends items for the U.Va. Library system whenever an item is searched in Amazon, Barnes and Nobles, and Google Scholars, that the U.Va. Library may have access to in its system
- Worked in a group of seven students using Scrum agile framework for project management
- Met with the customer to understand their needs and gather user requirements
- Used JavaScript, jQuery, HTML5, CSS3, REST API, Travis CI, and Jira

### **Textg1 (buy and sell used textbooks) (Group Course Project)**

January 2020 – May 2020

- Allows a user to buy and sell textbooks; mainly designed for UVA students
- Worked in a group of five students using Scrum agile framework for project management
- Gathered requirements using google forms and from interview with students
- Implemented using Django, Bootstrap, CSS, PostgreSQL
- Tested using Travis-CI and deployed using Heroku