

Mohd Rokon

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EDUCATION

Penn State University

Master's in software engineering (Current GPA: 3.57)

State College, PA

Aug. 2021 - Current

George Mason University

Bachelor's of Science in Computer Science, Minor in Mathematics

Fairfax, VA

Aug. 2016 – May 2020

Northern VA Community College

Associates in Computer Science

Annandale, VA

Aug. 2014 – May 2016

EXPERIENCE

Software Developer Intern | *mybooknova.com*

Jan 2019 – April 2019

- Created an e-commerce website that allows peer to peer used/new book sales targeting college students
- Collaborated with the Design team to develop the front end and UI with HTML/CSS
- Responsible of code deployment and maintenance using AWS

Teaching Assistant | *Northern VA Community College*

Aug. 2015 – May 2016

- Teaching Assistant for Intro to Programming and Introduction to IT Classes
- Provided grading and student support throughout the semesters for both classes
- Assisted professor with answering student questions and giving feedback on class discussion boards

PROJECTS

Ezsearchonline.com | *HTML, CSS, JavaScript, AWS, Heroku*

Full stack web search application that allows users to search for used and new goods from multiple e-commerce websites in one place where they can be sorted as desired.

- Web application designed using HTML and CSS. Application hosted on AWS with backed programmed in JavaScript using Node.js framework and Cheerio API
- The e-commerce sites are scraped using an HTML parser called Cheerio. HTML parsed data is used to get individual items and queries to ecommerce site are made using URL manipulation

Flight Pricing application | *HTML, CSS, JavaScript*

Full stack web application that allows users to search for flights tickets prices for all airlines available based on query.

- Web application designed using HTML and CSS. Application hosted on AWS with backed programmed in JavaScript using Skyscanner API
- User is provided a form with flight detail input fields. Based on query data is received and presented to user in detailed view giving the user to sort through and modify result parameter.

Color Blob Detection on image | *Java*

Computer Vision Program using Java that highlights a color given in an image.

- The program generates an image which highlights the largest blob of a given color in an image.
- Algorithm takes all pixels of given color and puts them in sets.
- It then compares all the sets to get the largest set to identify the largest blob of the given color.

TECHNICAL SKILLS

Languages: *Java, Python, C, SQL, JavaScript, HTML/CSS, R*

Frameworks: *React, Node.js, JUnit*

Developer Tools: *Git, VS Code, Visual Studio, IntelliJ, Eclipse, CI/CD, Docker*

Cloud Tools: *AWS (EC2, Lambda, S3, Route53, Dynamo DB), Google Cloud Platform (Firebase)*