

Rayhan Biju

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Education

Virginia Tech

Bachelor of Science, Computer Science
Cumulative GPA: **3.96**

Blacksburg, Virginia
Expected: May 2024

Relevant Coursework: Software Design and Data Structures

Honors and Awards: Fall 2020 and Spring 2021 Dean's List with Distinction, Virginia Tech Honors College

Extracurriculars: Voluntary CS mentor for students at Codefy

Skills

Languages: Java (Advanced), Python (Intermediate), C (Beginner)

Tools: Android Studio (Intermediate), Git (Intermediate), Flask (Intermediate), AWS DynamoDB (Beginner), GCP App Engine (Beginner), Firebase (Beginner), React (Beginner)

Frameworks / Architecture: Agile Software Development, Object-Oriented Design, Linux

Work Experience

Virginia Tech

Undergraduate Student Researcher

Blacksburg, Virginia
August 2021 - Present

- Integrate Python web scraping to aggregate computer processor and system data
- Contribute to API development using Flask and SQLAlchemy

Virginia Tech

Undergraduate Teaching Assistant

Blacksburg, Virginia
August 2021 - Present

- Mentor and assist students with coursework in software design, data structures, and sorting algorithms for class of 500+ students entirely in Java
- Promote problem-solving and critical thinking skills, code efficiency, and object-oriented design to students

Code Ninjas

Lead Coding Instructor

Glen Allen, Virginia
May 2021 – August 2021

- Helped teach JavaScript, Python, and Scratch for 15 - 20 students ranging from 7 to 14-year-olds
- Facilitated and taught week-long Python summer camp to 11 - 14-year-old students

BusySquirrels

Software Development Intern

Remote
January 2021 - May 2021

- Developed Python based web crawlers using the Scrapy, BeautifulSoup, and Python Requests libraries and spearheaded a team of 3 - 5 other interns to increase the number of department stores crawled by 380%
- Leveraged DynamoDB, Flask, and React to develop REST API's, frontend, and backend infrastructure to accommodate summarized reviews for 30,000 products from Walmart
- Designed and programmed email monitoring service to notify administrators when any one of the 50 web crawlers fails

Projects

Series Watcher

TV Series Alert Web App

Glen Allen, Virginia
May 2021 – July 2021

- Built Flask based web app to notify users when their TV series comes out
- Manipulated the IMDB REST API, SendGrid's Email API, Flask, Python, Firebase, and SQLAlchemy for the backend
- Maximized Bootstrap with HTML, CSS, and JavaScript for the frontend
- Deployed website application to the cloud through Google App Engine on GCP