

# Aayush Bhagat

✉ [aayushbhagat.dev@gmail.com](mailto:aayushbhagat.dev@gmail.com) | [in Aayush Bhagat](#) | [GitHub Aayush-Bhagat](#) | ☎ 978-654-1256

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## Education

**University of Massachusetts Amherst**

Amherst, MA

**B.S. Computer Science**

*Expected Graduation Date: May 2023*

**GPA:** 3.93/4.0

**Awards:** Dean's List (Fall 2019, Spring 2020), Abigail Adams Scholarship

**Courses Taken:** Data Structures, Introduction to Algorithms, Computer System Principles, Introduction to Computation, Introduction to Problem Solving with Computers

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## Skills

**Languages:** JavaScript, Java, Python, C, C#, HTML, CSS

**Technologies/Tools:** React, Node, Express, MongoDB, Git/Github, Django, Jenkins CI/CD, REST API

**Operating Systems:** Linux, Windows, MacOS

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## Experience

**Software Engineer Intern**

May 2021 – Present

*Viasat Inc*

*Remote*

- Designed and Developed a feature for an existing web app that allowed users to compare data from different satellites by entering a list of mac addresses using JavaScript, React, Node, Python, Flask, and Docker.
- Converted back-end data sources to Apache Druid to allow for historical comparisons between satellites and their data.
- Added unit tests for newly developed features before deployment into production using Jest and Jenkins CI/CD pipeline.

**Software Mentorship**

Dec. 2020 – Feb. 2021

*Interactiva Studios LLC*

*Remote*

- Optimized a Billboard Tool in C# to create tighter meshes around objects and minimize the amount of textures wasted to improve performance for future projects in Unity.
  - Developed a batch mode for a rendering tool project to edit objects more efficiently and maximize productivity.
  - Learned to work cooperatively in a professional team-based environment to communicate effectively, and present new features and ideas at project deadlines and checkpoints.
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## Projects

**My TV List** | *JavaScript, React, Node, Express, MongoDB, JWT, Puppeteer*

- Developed a web app that allows users to keep track of the shows that they are currently watching, watched, and want to watch using the MERN technology stack.
- Designed an algorithm to scrape the data of TV shows from the web and add that data into a MongoDB database using Puppeteer.
- Implemented user authentication and authorization by passing in a unique JWT token to the user to access restricted parts of the web app.

**Sharendar** | *Python, Django, Django Rest Framework, HTML, CSS*

- Created a social media web app based around people's events and schedules using Python, Django, HTML, and CSS.
- Implemented a REST API to gather and send information from the backend and database using the Django Rest Framework.
- Led a team of three people, managed schedules and setup meeting times and deadlines for the group.