

# Al Amin

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Intrigued by computer science and astronomy, I see the potential for subtle yet impactful contributions. Recognizing the possibilities, I believe that integrating computer science into astronomy could offer incremental advancements, modestly expanding our understanding of the universe and subtly influencing technological improvements that may enhance aspects of human life.

## SKILLS

- HTML
- CSS
- JavaScript
- Java
- Unity
- C
- Python
- ActionScript
- ORM
- Handlebars
- Pseudocode
- Git
- NoSQL
- MySQL
- SQL
- MongoDB
- Mongoose
- jQuery
- PWA
- Bootstrap
- Node.js
- Express.js
- React
- MERN
- Wireframing
- MVC
- JSON
- OOP
- API
- Adobe

## EXPERIENCE

### University of Pennsylvania

October, 2023 – February, 2023

- Engaged in the development of two distinct projects, showcasing a multifaceted skill set within web development. First, spearheaded the creation of a dynamic movie list website, empowering users to seamlessly search, access detailed movie information, and curate a personalized favorites list. Proficiently employed HTML, CSS, and JavaScript to ensure an optimal user experience.
- Subsequently, assumed a leadership role in the comprehensive front-end design of a Team Fortress 2 trading website, leveraging the advanced templating capabilities of Handlebars. Collaborated seamlessly with the backend team to contribute to the establishment of robust routing mechanisms. Demonstrated a nuanced understanding of both front-end and back-end intricacies to elevate the overall functionality and aesthetic appeal of the platform.

### Ctrl+Shift

December 8, 2018 – May 8, 2022

- 2021-2022: Assumed a leadership role within a three-member team, orchestrating the design and development of a webpage centered on the Independence War of Bangladesh. Personally, undertook the entire coding process, harnessing proficiency in HTML, CSS, and JavaScript. Remarkably, the project was successfully executed within a condensed timeframe of less than 24 hours, meriting national finalist accolades and attesting to adept project management and coding prowess.

- 2020-2021: Collaborated as part of a two-person team to construct a mental health-themed website using HTML, CSS, and JavaScript. Developed an interactive website within two weeks, achieving finalist status.
- 2018-2019: Participated in a coding competition, employing basic HTML, CSS, and JS. The project spanned a few months and was undertaken for recreational purposes.

## **AP Computer Science A**

**September 5, 2021 – June 14, 2022**

Acquired basic and advanced Java skills, applying them to logic problems and various coding challenges.

## **AP Computer Science Principles P**

**September 2, 2019 – June 10, 2020**

- Worked on projects demonstrating an advanced understanding of HTML, CSS, and JavaScript. Projects included a basic Calculator, measuring distances between planets, informational graphs sourced from diverse websites, a VR game in Unity, and Arduino coding.

## **Introduction to Computer Science**

**August 28, 2018 – June 10, 2019**

- Gained knowledge of the history and fundamentals of HTML, CSS, and JavaScript. Created several basic websites and web games, including a Flappy Bird copycat game and a 2D RPG game.

## **EDUCATION**

**Full-Stack Certificate**, University of Pennsylvania

**October 2023 – February 2023**

**Bachelor of Computer Science**, Temple University

**August 2022 – May 2026**