

# Arjan Subedi

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## EDUCATION

**University of South Florida**— Tampa, Florida

May 2026

**Bachelor of Science in Computer Science**, GPA:4.0

Relevant coursework: Data Structures, Program Design , Computer Architecture I, Discrete Mathematics

Honors & Awards: USF Undergraduate Engineer's scholarship, USF CAS Dean's List Scholar, USF Green and Gold Presidential Waiver, Duke of Edinburgh International award

## SKILLS & CERTIFICATIONS

- **Programming Languages:** Python, Java, C/C++, JavaScript, SQL, HTML, CSS
- **Frameworks, Tools, & Libraries:** React, NodeJS, Express, VS Code, Jupyter Notebook, Git/Github, EJS, Tailwind, Redux
- **Certifications:** Intro to technical Interview I and II (Codepath), Java Basic Certification(Hackerrank), Python Basic Certification(Hackerrank)

## PROJECTS

**WanderLust - Fullstack developer** | Individual Project

[Github](#)

- Developed a Node.js-based web application enabling users to list and browse hotels, places, and experiences. Implemented user authentication, listing management, and integrated Cloudinary for image uploads and Mapbox for interactive maps. Designed with responsive principles to ensure cross-device compatibility. Utilized MongoDB for data persistence and incorporated best practices for scalability and performance. Future enhancements planned include advanced search functionality, real-time notifications, and payment integration.
- Utilized: React, NodeJS, Express, SQL

**Weather App - Front End and JS Developer** | Individual Project

[Github](#) | [View Project](#)

- Created a responsive Weather App that improved user engagement by providing real-time weather data for any location, enhancing the user experience through API-driven dynamic content. Utilized HTML, CSS, and JavaScript to build the interface, and fetched weather data using the OpenWeatherMap REST API.
- Utilized: HTML, CSS, JS

**Database Management System - Co-developer** | Team of 2

- Developed a rudimentary Database Management System that enhanced data management efficiency by implementing core functionalities such as INSERT, UPDATE, SEARCH, and DELETE operations. Leveraged an AVL tree structure to ensure balanced and optimized data retrieval and modification. Contributed equally to designing and coding the system, ensuring robust performance and scalability.
- Utilized: C++

## EXPERIENCE

**Mathematics and Physics Tutor** | Kathmandu, Nepal

8/2020 – 7/2021

- Provided informal tutoring in math and physics to high school students, significantly improving their understanding and academic performance. Customized lessons to address individual learning needs, focusing on key concepts and problem-solving techniques. Demonstrated patience and clarity in explaining complex topics, fostering a supportive learning environment.

**Nepal Mega College - IT Assistant** | Kathmandu, Nepal

07/2019–12/2021

- Assisted the high school IT department by developing and maintaining the official school website and managing student records. Provided technical support for various school events, ensuring smooth operation of audiovisual and IT equipment. Collaborated with faculty to enhance the school's digital presence and streamline administrative processes.

## LEADERSHIP & AFFILIATIONS

[CodePath](#) | Community Member | Remote

Current

**Society of Competitive Programmers** | USF Tampa

Current

**Google Developer Student Clubs** | USF TAMPA

Current