

Aswanth Jeyaram Kumar

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EDUCATION

University of Maryland, Baltimore County (UMBC)

Baltimore, MD

Bachelor of Science in Computer Science

Expected Graduation - May 2026

TECHNICAL SKILLS

Languages: Python, C++, JavaScript

Developer Tools: VS Code, Matlab, Github, BlueJ, PyCharm, Edpy (Edison Robot)

Technologies: MS Office Suite, Google Suite

EXPERIENCE

Cashier, UMBC Bookstore

Sep. 2024 – Present

University of Maryland, Baltimore County

Baltimore, MD

- Processed payments and provided customer service for transactions and inquiries.
- Restocked merchandise and maintained a clean workspace.
- Collaborated with team to complete tasks and support staff.

Secretary

May 2024 – Present

UMBC Tennis Club

Baltimore, MD

- Managed social media presence on Instagram to engage club members and provide timely updates on events.
- Communicated effectively with members via email and GroupMe for updates on practices and tournaments.
- Assisted in organizing travel logistics for tournaments and other club activities.

PROJECTS

Blackjack | *Python*

June 2023

- Built a text-based Blackjack game where users can play against a computer dealer, with a virtual betting system.
- Covered Python topics: list manipulation, control flow, functions, randomization, and input handling.

Family Tree | *Python*

August 2023

- Created a program to build and query relationships within a family tree by setting parents, ancestors, and displaying family data.
- Covered Python topics: dictionaries, recursion, file I/O, and object relationships.

Airline Manager | *C++*

April 2024

- Developed a tool to manage airline routes using a linked-list data structure and dynamic memory allocation.
- Implemented features to create and manage routes, calculate distances between airports, and utilize airport information from a text file.
- Applied C++ class syntax and object-oriented principles to model airline routes and operations.

Movie Player | *C++*

June 2024

- Built a movie player to create playlists from a large collection of titles, where movies can be searched, added, deleted and compared using different filter options. Works by managing dynamic memory and ensuring leak prevention.
- Utilized basic C++ syntax, templated data structures, and overloaded operators for data management.
- Covered C++ topics: class syntax, dynamic memory management, and operator overloading.

WorkGen | *Python, MongoDB, Express.js, JavaScript*

September 2024

- Developed a quiz/test generator in a team of three at HackUMBC.
- Utilized OpenAI API to generate a quiz/test based on users' input of subject, difficulty, and number of questions.
- Created a RESTful API using Express.js with MongoDB Atlas for database storage, including JWT-based authentication for secure user access.
- Outputted the questions and answer keys as PDFs to assist users in studying/teaching.

CERTIFICATIONS

Python Program Certificate

FreeCodeCamp.org

Scientific Computing with Python

May 2023

<https://www.freecodecamp.org/certification/AshGetsCash/scientific-computing-with-python-v7>