

Amyr Murray

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Recent computer science graduate with a strong foundation in programming and data analysis. Proven ability to apply theoretical knowledge to practical projects, as demonstrated through research on machine learning in heart disease diagnosis and team leadership in student research. Eager to leverage technical skills and problem-solving abilities to contribute to innovative projects in the field of computer science.

Education

Kennesaw State University

Kennesaw, GA | Dec 2024

B.S. in Computer Science

Coursework: Operating Systems, Database Systems, Computer Architecture, Data Structures, Calculus II, Algorithm Analysis, Artificial Intelligence, Concepts of Programming Languages, Artificial Intelligence

Skills

Languages: C++, Python, JavaScript, HTML/CSS, SQL, Java, R

Frameworks/Tools: Git/GitHub (branching strategies, change control), React, Node.js, MongoDB, Flask, Express.js, Flutter/Dart, Firebase, Microsoft SQL Server

Methodologies: Agile Development (Scrum), Software Development Life Cycle (SDLC), Unit Testing, Object-Oriented Programming (OOP), CI/CD Pipelines

Other Tools: Tableau, JWT, WEKA, RStudio

Projects

Chronic Disease Research App | Full-Stack Developer

Remote | March 2025 - Present

- Designed a secure web platform that uses Python-based scrapers to gather and rank chronic disease research.
- Data securely transmitted and stored using Firebase; included information security safeguards.
- Employed Agile methodology and CI/CD practices to update and deploy Flask endpoints.

Tech Stack: Python, Firebase, HTML/CSS, Flask

Pending Development – Personal Journaling App | Full-Stack Developer

Remote | January 2025 - Present

- Built a full-stack web application that enables users to log personal “Developments” and update them with “Sub-developments”, allowing self-reflection and life tracking.
- Implemented user authentication and data access control using JSON Web Tokens and secure session handling in Express.js.
- Utilized responsive React UI with dynamic rendering of user-specific data, backed by a Node.js API and MongoDB database for secure and persistent storage.

Tech Stack: MongoDB, Express.js, React, Node.js, JWT

Senior Project Spotify Companion App | Programmer

Kennesaw, GA | August 2024 – December 2024

- Designed and implemented a real-time collaborative playlist feature using Flutter/Dart, Spotify API, and Firebase, enabling users to create or join sessions and manage playlists together.
- Delivered a fully functional social playlist app used in live demo sessions, enhancing user engagement with Spotify through collaborative music sharing.

Tech Stack: Flutter/Dart, Firebase

2022 Fall Innovation Hackathon Participant | Programmer

Marietta, GA | September 2022

- Co-developed a social media-inspired task outsourcing platform within 24 hours, enabling users to delegate chores to others based on skill or interest.

Tech Stack: Java, Swing

First Year Scholar | Student Research Assistant

Kennesaw, GA | September 2021 – March 2022

- Researched machine learning applications for early heart disease detection using WEKA and RStudio.
- Analyzed clinical datasets and tested classification algorithms, contributing to the discovery of models with higher-than-baseline accuracy.
- Provided insights into scalable and secure implementations of machine learning in the medical field, with a focus on improving early diagnosis accuracy and patient outcomes.

Tech Stack: RStudio, WEKA

Work Experience

Kroger | Meat Clerk

January 2025 – April 2025

- Maintained clean and organized work floors in compliance with food safety/sanitation guidelines.
- Assisted customers interested in wide variety of fresh meat and fresh seafood selections via Kroger’s meat display case.

Kennesaw State University | Library Student Assistant

May 2022 – July 2024

- Aided in displaying extent of library’s services to students through answering of questions or providing personal help.
- Managed and organized digital government document archives using SQL and data tracking systems.