

## ANAV CHUG

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### EDUCATION

**Georgia Southern University, Statesboro, GA**

*BS in Computer Science, Minor in Mathematical Sciences* | **GPA:** 4.0 | **Graduation:** May, 2024

**Relevant Coursework:** Data Structures, Algorithms, Distributed Systems, Software Engineering, Database Systems

### PROFESSIONAL EXPERIENCE

#### Software Engineer | InventureIT

**June 2024- Present**

- Redesigned the patient medications page, enhancing the refill process for over 10,000 patients with a multi-stage Refill Request Modal, enabling 40% faster processing of refill requests.
- Automated HL7 message creation for lab orders in C#, fixing routing issues between 2 labs and improving processing orders.
- Developed a UI to filter ERA Denial Review report data and integrated it with SSRS for dynamic generation.
- Executed complex SQL queries to diagnose and resolve high-priority software issues, contributing to weekly on-call production support rotations and decreasing resolution time by 60%
- Reviewed and collaborated with other engineers on their code to ensure high-quality standards.

#### Software Engineer Intern | Southern Automation Logistics & Technology (SALT)

**Jan 2024 - May 2024**

- Implemented confirmation popups using HTML5, Bootstrap4, and C# to allow patients to delete and restore claim tickets in the Complete MD medical software
- Enhanced SQL stored procedures to filter duplicate data in lab summary reports, wrote SQL queries to debug and troubleshoot software issues, and handle production on-call support tickets.
- Fixed claim search filters and added ASP.NET validation controls on toggles to improve search experience
- Resolved backend bugs to prevent inactive app users from receiving password reset emails
- Collaborated effectively with diverse teams and demonstrated excellent written and verbal communication skills.

#### Software Engineer Intern | Georgia Southern University

**May 2023- Aug 2023**

- Designed and developed a Spring Boot-based robot fleet control software in Java, enabling efficient task execution similar to Amazon warehouses
- Implemented TCP packets, task queuing, and space reservation features using MVC, facilitating collision-free task execution for 7 robots
- Developed automated robot charging and system reset algorithms, streamlining operations and achieving a 70% increase in efficiency in fleet management processes
- Participated in the design process to create efficient, scalable, and maintainable architecture.
- Applied strong knowledge of testing fundamentals with JUnit and Java Logging, enhancing error-tracing precision and reducing navigation errors by 50%

#### Cloud Intern | Internity Foundation

**June 2021 – Aug 2021**

- Developed an Image Recognition application using JavaScript and AWS, enabling accurate, automated image descriptions for improved data processing capabilities
- Leveraged AWS services (Lambda, S3, API Gateway, Rekognition) with Python to streamline image uploads and automate label detection
- Designed an intuitive interface(HTML5, CSS, Bootstrap) and authored 7 technical cloud computing blogs on Medium.

### PROJECT EXPERIENCE

#### Game Price Comparison Application

<https://github.com/anavchug/gpc-app>

- Developed a web application using Node JS and Restful APIs that allows users to search for games and view their prices and deals across different game seller websites
- Used API calls to retrieve JSON data and created interfaces in HTML5, CSS, Bootstrap, and JavaScript to display game search results and dynamically fetch and display game prices based on user input.
- Created a Browse Page with infinite game scrolling and a filter to view games by price range.

#### Survey Management System

<https://github.com/anavchug/SurveyAutomation-Thesis>

- Developed a Flask-based survey management system with integrated OpenAI GPT-3.5 API for streamlined survey creation and AI-generated multiple-choice questions.
- Designed user-friendly templates, including a login-register page, dashboard, company page, review stage, and survey questionnaire, using HTML5, CSS, Bootstrap, and JavaScript.
- Implemented an Analysis Dashboard with dynamic bar charts using Plotly and SQL data retrieval.

### TECHNICAL SKILLS

**Programming Languages:** Java, Python, C#, C++, JavaScript, SQL, HTML5, CSS

**Frameworks & Libraries:** Flask, Spring Boot, ASP.NET, .NET Core, Node.js, Express.js, React, Angular, Bootstrap, JUnit (Testing)

**Database/ Stores::** MySQL, PostgreSQL, SQL Server Management Studio, SQL Profiler, Amazon S3, MongoDB

**Development Tools:** VS, VS Code, Azure DevOps, Jupyter Notebook, Jenkins, Atlassian Suite (Confluence, Jira), Git/GitHub

**Cloud & DevOps:** AWS (Lambda, S3, API Gateway, Rekognition), Azure DevOps, Docker